SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	LPS® HardCoat (Aerosol)
Registration number	-
Synonyms	None.
Part Number	03316, M03316
Issue date	18-July-2014
Version number	01

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	A spray corrosion inhibitor designed to displace moisture and penetrate to form a barrier against moisture, air, acids, alkali fumes and other corrosive elements on metal parts.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier	Geocel Limited
Company name	Western Wood Way, Langage Science Park, Plympton,
Address	Plymouth, PL7 5BG United Kingdom
Telephone	+44 (0)1752 202060 / +44 (0)1752 334384
In Case of Emergency	+001 703-527-3887
Manufacturer	
Company name	LPS Laboratories, a division of Illinois Tool Works, Inc.
Address	4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)
Website	http://www.lpslabs.com
e-mail	sds@lpslabs.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification	F+;R12, Xi;R36/38, R66-67

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards		
Aerosols	Category 1	H222 - Extremely flammable aerosol. H229 - Pressurized container: May burst if heated.
Health hazards		
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.

Hazard summary

Physical hazards	Extremely flammable.
Health hazards	Irritating to eyes and skin. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Irritating to eyes and skin. Irritating to respiratory system. Do not breathe dust/fume/gas/mist/vapors/spray.

Main symptoms Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Drowsiness and dizziness. Narcosis. Decrease in motor functions. Behavioural changes.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Acetone, Distillates Petroleum Hydrotreated Heavy, Distillates Petroleum Hydrotreated Light, Mineral Spirits Regular Stoddard Solvent, Petrolatum, Petroleum Gases, Liquefied, Sweetened

Hazard pictograms

Signal word Danger

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurized container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements

Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurised container: Do not pierce or burn, even after use.
P261	Avoid breathing gas.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves.
P280	Wear eye/face protection.

Response

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P321	Specific treatment (see this label).
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

Storage

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information EUH066 - Repeated exposure may cause skin dryness or cracking. EUH208 - Contains Calcium Sulfonate. May produce an allergic reaction.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Acetone	20 - 30	67-64-1 200-662-2	-	606-001-00-8	#

Classification: **DSD:** F;R11, Xi;R36, R66-67

CLP: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Petroleum Gases, Liquefied, Sweetened	20 - 30	68476-86-8 270-705-8	-	649-203-00-1	
Classification: **DSD:** F+;R12, Carc. Cat. 1;R45, Muta. Cat. 2;R46					K,S
CLP: Flam. Gas 1;H220, Press. Gas;H280, Muta. 1B;H340, Carc. 1B;H350					K,S,U
Distillates Petroleum Hydrotreated Light	10 - 20	64742-47-8 265-149-8	-	649-422-00-2	
Classification: **DSD:** Xn;R65					
CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336					
Mineral Spirits Regular Stoddard Solvent	1 - 10	8052-41-3 232-489-3	-	649-345-00-4	
Classification: **DSD:** Xn;R65					P
CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304					P
Distillates Petroleum Hydrotreated Heavy	1 - 5	64742-54-7 265-157-1	-	649-467-00-8	
Classification: **DSD:** -					L
CLP: Carc. 1B;H350					L
Petrolatum	1 - 5	8009-03-8 232-373-2	-	649-254-00-X	
Classification: **DSD:** -					N
CLP: Carc. 1B;H350					N
Calcium Sulfonate	< 1	61789-86-4 263-093-9	-	-	
Classification: **DSD:** T;R23					
CLP: Skin Sens. 1B;H317					

CLP: Regulation No. 1272/2008.
DSD: Directive 67/548/EEC.
M: M-factor
vPvB: very persistent and very bioaccumulative substance.
PBT: persistent, bioaccumulative and toxic substance.
#: This substance has been assigned Community workplace exposure limit(s).

Note K: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8).

Note L: This component has been tested by Supplier. According to Supplier, the component complies with the criteria of Note L in Annex I of 67/548/EEC, and is exempt from a classification of T; R45. (Contains less than 3% DMSO)

Note N: The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.

Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

Note S: This substance may not require a label according to Article 17 (see section 1.3 of Annex I) (Table 3.1). This substance may not require a label according to Article 23 of Directive 67/548/EEC (see section 8 of Annex VI to that Directive) (Table 3.2).

Note U: When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Call a POISON CENTRE or doctor/physician if you feel unwell.

4.1. Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconsious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
4.2. Most important symptoms and effects, both acute and delayed	Dermatitis. Rash. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Skin irritation. May cause redness and pain.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards	Extremely flammable aerosol.
5.1. Extinguishing media	
Suitable extinguishing media	Powder. Alcohol resistant foam. Water. Water spray. Dry chemicals. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	Contents under pressure. Pressurised container may explode when exposed to heat or flame.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Special fire fighting procedures	Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Use water spray to reduce vapours or divert vapour cloud drift. Scoop up used absorbent into drums or other appropriate container. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
6.4. Reference to other sections	Use personal protection recommended in Section 8 of the SDS. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
Acetone (CAS 67-64-1)	MAK	1200 mg/m3
		500 ppm
	STEL	4800 mg/m3
		2000 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Ceiling	614 mg/m3
		100 ppm
	MAK	307 mg/m3
		50 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
		1000 ppm
	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	533 mg/m3
		100 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	1400 mg/m3
	TWA	600 mg/m3
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Acetone (CAS 67-64-1)	MAC	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	MAC	308 mg/m3
		50 ppm

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	2400 mg/m3
		1000 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
Acetone (CAS 67-64-1)	Ceiling	1500 mg/m3
	TWA	800 mg/m3

Czech Republic. OELs. Government Decree 361

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Ceiling	550 mg/m3
	TWA	270 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
Acetone (CAS 67-64-1)	TLV	600 mg/m3 250 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TLV	309 mg/m3 50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TLV	145 mg/m3 25 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3 50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	STEL	600 mg/m3 100 ppm
	TWA	300 mg/m3 50 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	1500 mg/m3 630 ppm
	TWA	1200 mg/m3 500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	310 mg/m3 50 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
Acetone (CAS 67-64-1)	VLE	2420 mg/m3 1000 ppm
	VME	1210 mg/m3 500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	VME	308 mg/m3 50 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1200 mg/m3 500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	310 mg/m3 50 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)	TWA	140 mg/m3
		20 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
Acetone (CAS 67-64-1)	AGW	1200 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	AGW	310 mg/m3
		50 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	3560 mg/m3
	TWA	1780 mg/m3
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	900 mg/m3
		150 ppm
	TWA	600 mg/m3
		100 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	STEL	720 mg/m3
		125 ppm
	TWA	575 mg/m3
		100 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
	TWA	1210 mg/m3
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	308 mg/m3
	TWA	308 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	600 mg/m3
		250 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	300 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	145 mg/m3
		25 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	573 mg/m3
		100 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3 50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	100 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3 50 ppm

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3 1000 ppm
	TWA	1210 mg/m3 500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	450 mg/m3 75 ppm
	TWA	300 mg/m3 50 ppm

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3 500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3 50 ppm

Netherlands. OELs (binding)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
	TWA	1210 mg/m3
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	300 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
Acetone (CAS 67-64-1)	TLV	295 mg/m3 125 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TLV	300 mg/m3 50 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	1800 mg/m3
	TWA	600 mg/m3
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	480 mg/m3
	TWA	240 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	750 ppm
	TWA	500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	100 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	500 mg/m3
		3 ppm
	TWA	300 mg/m3
		18 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	STEL	1000 mg/m3
	TWA	700 mg/m3

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	STEL	600 mg/m3
		100 ppm
	TWA	300 mg/m3
		50 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
		50 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	1200 mg/m3
		500 ppm
	TWA	600 mg/m3
		250 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	450 mg/m3
		75 ppm
	TWA	300 mg/m3
		50 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	2400 mg/m3
		1000 ppm
	TWA	1200 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	300 mg/m3
		50 ppm
	TWA	300 mg/m3
		50 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Acetone (CAS 67-64-1)	STEL	3620 mg/m3
		1500 ppm
	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Biological limit values

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)

Components	Value	Determinant	Specimen	Sampling time
Acetone (CAS 67-64-1)	100 mg/l	Acétone	Urine	*

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling time
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*

* - For sampling details, please see the source document.

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling time
Acetone (CAS 67-64-1)	53,36 mg/g	Acetone	Creatinine in urine	*
	80 mg/l	Acetone	Urine	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Components	Value	Determinant	Specimen	Sampling time
Acetone (CAS 67-64-1)	50 mg/l	Acetona	Urine	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling time
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

EU Exposure Limit Values: Skin designation

Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection Chemical resistant gloves are recommended.

- Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not applicable.

Hygiene measures When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Contain spills and prevent releases and observe national regulations on emissions. Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Physical state Gas.

Form Aerosol

Colour Red

Odour Cherry

Odour threshold Not established

pH	Not applicable
Melting point/freezing point	Not established
Initial boiling point and boiling range	160 °C (320 °F)
Flash point	< -17,0 °C (< 1,4 °F) Tag closed cup (dispensed liquid)
Evaporation rate	0,2 (BuAc = 1)
Flammability (solid, gas)	Flammable gas.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	0,6 %
Flammability limit - upper (%)	12,8 %
Vapour pressure	2,6 mm Hg @20°C
Vapour density	4,8 (Air = 1)
Relative density	Not available.
Solubility(ies)	
Solubility (water)	25 % in water
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not established
Auto-ignition temperature	> 230 °C (> 446 °F)
Decomposition temperature	Not established
Viscosity	Not established
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	
Heat of combustion	> 30 kJ/g
Percent volatile	74 - 77 %
Specific gravity	0,88 - 0,89 @20°C
VOC (Weight %)	50,7 % per US State and Federal Consumer Product Regulations

SECTION 10: Stability and reactivity

10.1. Reactivity	Strong oxidising agents.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Ingestion	May cause discomfort if swallowed.
Inhalation	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Symptoms	Irritating to eyes, respiratory system and skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Exposure may cause temporary irritation, redness, or discomfort. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
11.1. Information on toxicological effects	
Acute toxicity	Narcotic effects.

Components	Species	Test results
Acetone (CAS 67-64-1)		
Acute		
Dermal		
LD50	Rabbit	> 15800 mg/kg
		20 ml/kg
Inhalation		
LC50	Rat	55700 ppm
		76 mg/l, 4 Hours
		50,1 mg/l
		50,1 mg/l, 8 Hours
Oral		
LD50	Mouse	3000 mg/kg
	Rabbit	5340 mg/kg
	Rat	5800 mg/kg
		2,2 ml/kg
Other		
LD50	Mouse	1297 mg/kg
	Rat	5500 mg/kg
Calcium Sulfonate (CAS 61789-86-4)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
	Rat	> 2000 mg/kg
Inhalation		
LC50	Rat	> 1,9 mg/l
Oral		
LD50	Rat	> 2000 mg/kg
Dipropylene glycol monomethyl ether (CAS 34590-94-8)		
Acute		
Dermal		
LD50	Rabbit	10 ml/kg
		9,5 g/kg
	Rat	> 19020 mg/kg
		> 20 ml/kg
Inhalation		
LC50	Rat	> 275 ppm
Oral		
LD50	Dog	7,5 ml/kg
	Rat	> 5000 mg/kg
		5,4 ml/kg
Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	> 2,5 mg/l
Oral		
LD50	Rat	> 2000 mg/kg
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg

Components	Species	Test results
Inhalation		
LC50	Cat	> 6,4 mg/l
	Rat	> 0,1 mg/l
Oral		
LD50	Rat	> 5000 mg/kg
Petrolatum (CAS 8009-03-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
	Rat	> 2000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
Petroleum Gases, Liquefied, Sweetened (CAS 68476-86-8)		
Acute		
Inhalation		
LC100	Cat	90 %
LC50	Mouse	1237 mg/l
		52,04 %
	Rat	> 13023 ppm
		1355 mg/l

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory sensitisation Not a respiratory sensitizer.

Skin sensitisation This product is not expected to cause skin sensitisation.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

ACGIH Carcinogens

Acetone (CAS 67-64-1) Not classifiable as a human carcinogen. A4

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure Narcotic effects.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Not likely, due to the form of the product.

Mixture versus substance information No information available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Ecological injuries are not known or expected under normal use.

Components		Species	Test results
Acetone (CAS 67-64-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2,9 mg/l, 96 hours

12.2. Persistence and degradability Not inherently biodegradable.

12.3. Bioaccumulative potential Not available.

Partition coefficient n-octanol/water (log Kow)

LPS® HardCoat (Aerosol)	> 1
Acetone	-0,24
Mineral Spirits Regular Stoddard Solvent	3,16 - 7,15

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols, flammable

14.3. Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

Hazard No. (ADR) Not available.

Tunnel restriction code D

14.4. Packing group Not applicable.

14.5. Environmental hazards No

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols, flammable

14.3. Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

14.4. Packing group Not applicable.

14.5. Environmental hazards No

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number UN1950

14.2. UN proper shipping name Aerosols, [flammable]

14.3. Transport hazard class(es)

Class 2.1

Subsidiary risk -

Label(s) 2.1

14.4. Packing group Not applicable.

14.5. Environmental hazards No

14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable
14.3. Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
14.4. Packing group	Not applicable.
14.5. Environmental hazards	No
ERG Code	10L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

14.1. UN number	UN1950
14.2. UN proper shipping name	AEROSOLS
14.3. Transport hazard class(es)	
Class	2
Subsidiary risk	-
14.4. Packing group	Not applicable.
14.5. Environmental hazards	
Marine pollutant	No
EmS	F-D, S-U
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This substance/mixture is not intended to be transported in bulk.

ADN; ADR; IATA; IMDG; RID

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Acetone (CAS 67-64-1)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)
Petrolatum (CAS 8009-03-8)
Petroleum Gases, Liquefied, Sweetened (CAS 68476-86-8)

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)
Petrolatum (CAS 8009-03-8)
Petroleum Gases, Liquefied, Sweetened (CAS 68476-86-8)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Acetone (CAS 67-64-1)
Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)
Petrolatum (CAS 8009-03-8)
Petroleum Gases, Liquefied, Sweetened (CAS 68476-86-8)

Directive 94/33/EC on the protection of young people at work

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)
Petrolatum (CAS 8009-03-8)
Petroleum Gases, Liquefied, Sweetened (CAS 68476-86-8)

Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations	Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	R11 Highly flammable. R12 Extremely flammable. R23 Toxic by inhalation. R36 Irritating to eyes. R36/38 Irritating to eyes and skin. R45 May cause cancer. R46 May cause heritable genetic damage. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.
H350 May cause cancer.

Revision information None.

Training information Follow training instructions when handling this material.

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	LPS® HardCoat
Registration number	-
Synonyms	None.
Part Number	M03328, M03305, M03355
Issue date	02-July-2014
Version number	01

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	A corrosion inhibitor designed to displace water and penetrate to form a barrier against moisture, air, acids, alkali fumes and other corrosive elements on metal parts.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier	Geocel Limited
Company name	Western Wood Way, Langage Science Park, Plympton,
Address	Plymouth, PL7 5BG United Kingdom
Telephone	+44 (0)1752 202060 / +44 (0)1752 334384
In Case of Emergency	+001 703-527-3887
Manufacturer	
Company name	LPS Laboratories, a division of Illinois Tool Works, Inc.
Address	4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)
Website	http://www.lpslabs.com
e-mail	sds@lpslabs.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification	R10, Xn;R65, Xi;R36/38, R43-67

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards		
Flammable liquids	Category 3	H226 - Flammable liquid and vapour.
Health hazards		
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Skin sensitisation	Category 1B	H317 - May cause an allergic skin reaction.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Aspiration hazard	Category 1	H304 - May be fatal if swallowed and enters airways.

Hazard summary

Physical hazards	Flammable.
Health hazards	Irritating to eyes and skin. May cause sensitisation by skin contact. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.

Specific hazards Flammable. Do not breathe gas, fumes, or vapour. Harmful: may cause lung damage if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact.

Main symptoms Dermatitis. Rash. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Skin irritation. May cause an allergic skin reaction. May cause redness and pain.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Calcium Sulfonate, Dipropylene glycol monomethyl ether, Distillates Petroleum Hydrotreated Heavy, Distillates Petroleum Hydrotreated Light, Mineral Spirits Regular Stoddard Solvent, Petrolatum

Hazard pictograms

Signal word Danger

Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements

Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist or vapour.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.

Response

P370 + P378	In case of fire: Use appropriate media for extinction.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P321	Specific treatment (see this label).
P331	Do NOT induce vomiting.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

Storage

P235	Keep cool.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Distillates Petroleum Hydrotreated Light	30 - 40	64742-47-8 265-149-8	-	649-422-00-2	
Classification: **DSD:** Xn;R65					
CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336					
Mineral Spirits Regular Stoddard Solvent	10 - 20	8052-41-3 232-489-3	-	649-345-00-4	
Classification: **DSD:** Xn;R65					P
CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304					P
Distillates Petroleum Hydrotreated Heavy	5 - 10	64742-54-7 265-157-1	-	649-467-00-8	
Classification: **DSD:** -					L
CLP: Carc. 1B;H350					L
Petrolatum	5 - 10	8009-03-8 232-373-2	-	649-254-00-X	
Classification: **DSD:** -					N
CLP: Carc. 1B;H350					N
Calcium Sulfonate	1 - 5	61789-86-4 263-093-9	-	-	
Classification: **DSD:** T;R23					
CLP: Skin Sens. 1B;H317					
Dipropylene glycol monomethyl ether	1 - 5	34590-94-8 252-104-2	-	-	#
Classification: **DSD:** -					
CLP: Eye Irrit. 2;H319					

CLP: Regulation No. 1272/2008.
DSD: Directive 67/548/EEC.
M: M-factor
vPvB: very persistent and very bioaccumulative substance.
PBT: persistent, bioaccumulative and toxic substance.
#: This substance has been assigned Community workplace exposure limit(s).

Note L: This component has been tested by Supplier. According to Supplier, the component complies with the criteria of Note L in Annex I of 67/548/EEC, and is exempt from a classification of T; R45. (Contains less than 3% DMSO)

Note N: The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.

Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops and persists.

Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconsious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
4.2. Most important symptoms and effects, both acute and delayed	Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin. Rash. Symptoms of overexposure can include shortness of breath, drowsiness, headaches, confusion, decreased coordination, visual disturbances and vomiting, and are reversible if exposure is stopped.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards	Flammable liquid and vapour.
5.1. Extinguishing media	
Suitable extinguishing media	Alcohol resistant foam. Water spray. Water fog. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapours or mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil etc) away from spilled material. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use water spray to reduce vapours or divert vapour cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.
6.4. Reference to other sections	Use personal protection recommended in Section 8 of the SDS. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Vapours may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

7.2. Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Ceiling	614 mg/m3
		100 ppm
	MAK	307 mg/m3
		50 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	533 mg/m3
		100 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	MAC	308 mg/m3
		50 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Ceiling	550 mg/m3
	TWA	270 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TLV	309 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TLV	145 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
		25 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	STEL	600 mg/m3
		100 ppm
	TWA	300 mg/m3
		50 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	310 mg/m3
		50 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	VME	308 mg/m3
		50 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	310 mg/m3
		50 ppm
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)	TWA	140 mg/m3
		20 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	AGW	310 mg/m3
		50 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	900 mg/m3
		150 ppm
	TWA	600 mg/m3
		100 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	STEL	720 mg/m3
		125 ppm
	TWA	575 mg/m3
		100 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	308 mg/m3
	TWA	308 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	300 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	145 mg/m3
		25 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	573 mg/m3
		100 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	100 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	450 mg/m3
		75 ppm
	TWA	300 mg/m3
		50 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Netherlands. OELs (binding)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	300 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TLV	300 mg/m3
		50 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	480 mg/m3
	TWA	240 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	TWA	100 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	500 mg/m3
		3 ppm
	TWA	300 mg/m3
		18 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	STEL	1000 mg/m3
	TWA	700 mg/m3

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)	STEL	600 mg/m3
		100 ppm
	TWA	300 mg/m3
		50 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	450 mg/m3
		75 ppm
	TWA	300 mg/m3
		50 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	300 mg/m3
		50 ppm
	TWA	300 mg/m3
		50 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

EU Exposure Limit Values: Skin designation

Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles). Eye wash fountain is recommended.

Skin protection

- Hand protection Chemical resistant gloves are recommended.

- Other Avoid contact with the skin. Wear appropriate chemical resistant clothing.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazards Not applicable.

Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Contain spills and prevent releases and observe national regulations on emissions. Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous. Liquid.
Physical state	Liquid.
Form	Liquid.
Colour	Dark brown.
Odour	Cherry
Odour threshold	Not established
pH	Not applicable
Melting point/freezing point	Not established
Initial boiling point and boiling range	160 °C (320 °F)
Flash point	42,0 °C (107,6 °F) Tag closed cup
Evaporation rate	0,2 BuAc
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not established
Flammability limit - upper (%)	Not established
Vapour pressure	2,6 mm Hg @ 20°C
Vapour density	4,8 (Air = 1)
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not soluble in cold water
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not established
Auto-ignition temperature	> 230 °C (> 446 °F)
Decomposition temperature	Not established
Viscosity	< 20,5 mm2/s @ 40°C
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	
Percent volatile	50 - 60 %
Specific gravity	0,87 - 0,89 @ 20°C
VOC (Weight %)	51,4 % excluding compounds exempted by U.S. EPA

SECTION 10: Stability and reactivity

10.1. Reactivity	Strong oxidising agents.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Carbon oxides.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Ingestion	May be fatal if swallowed and enters airways.
Inhalation	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Skin contact	Causes skin irritation. May cause sensitisation by skin contact.
Eye contact	Causes serious eye irritation.
Symptoms	Skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Narcosis. Behavioural changes. Decrease in motor functions.

11.1. Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects. May cause an allergic skin reaction.

Components	Species	Test results
Calcium Sulfonate (CAS 61789-86-4)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
	Rat	> 2000 mg/kg
Inhalation		
LC50	Rat	> 1,9 mg/l
Oral		
LD50	Rat	> 2000 mg/kg
Dipropylene glycol monomethyl ether (CAS 34590-94-8)		
Acute		
Dermal		
LD50	Rabbit	10 ml/kg
		9,5 g/kg
	Rat	> 19020 mg/kg
		> 20 ml/kg
Inhalation		
LC50	Rat	> 275 ppm
Oral		
LD50	Dog	7,5 ml/kg
	Rat	> 5000 mg/kg
		5,4 ml/kg
Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	> 2,5 mg/l
Oral		
LD50	Rat	> 2000 mg/kg
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Cat	> 6,4 mg/l
	Rat	> 0,1 mg/l
Oral		
LD50	Rat	> 5000 mg/kg

Components	Species	Test results
Petrolatum (CAS 8009-03-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
	Rat	> 2000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory sensitisation Based on available data, the classification criteria are not met.

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Narcotic effects.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard May be fatal if swallowed and enters airways.

Mixture versus substance information No information available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test results
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)			
Aquatic			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2,9 mg/l, 96 hours

12.2. Persistence and degradability Not inherently biodegradable.

12.3. Bioaccumulative potential No data available.

Partition coefficient n-octanol/water (log Kow)

Mineral Spirits Regular Stoddard Solvent	3,16 - 7,15

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN1139
14.2. UN proper shipping name	COATING SOLUTION
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	3Y
Tunnel restriction code	D/E
14.4. Packing group	III
14.5. Environmental hazards	No
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN1139
14.2. UN proper shipping name	COATING SOLUTION
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	III
14.5. Environmental hazards	No
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number	UN1139
14.2. UN proper shipping name	Coating Solution
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	III
14.5. Environmental hazards	No
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1139
14.2. UN proper shipping name	Coating solution
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	No
ERG Code	3L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

14.1. UN number	UN1139
14.2. UN proper shipping name	COATING SOLUTION

14.3. Transport hazard class(es)

Class	3
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	
Marine pollutant	No
EmS	F-E, S-E
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This substance/mixture is not intended to be transported in bulk.

ADN; ADR; IATA; IMDG; RID

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)
Petrolatum (CAS 8009-03-8)

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)

Petrolatum (CAS 8009-03-8)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)
Petrolatum (CAS 8009-03-8)

Directive 94/33/EC on the protection of young people at work

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)
Mineral Spirits Regular Stoddard Solvent (CAS 8052-41-3)
Petrolatum (CAS 8009-03-8)

Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations	Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	R10 Flammable. R23 Toxic by inhalation. R36/38 Irritating to eyes and skin. R43 May cause sensitisation by skin contact. R65 Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H350 May cause cancer.
Revision information	None.
Training information	Follow training instructions when handling this material.
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.