



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® Heavy-Duty Silicone
Registration number -
Synonyms None.
Part Number 01505
Issue date 18-February-2013
Version number 01

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

Identified uses Not available.
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 Xn;R20/22-65

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

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

Health hazards

Aspiration hazard

Category 1

H304 - May be fatal if swallowed and enters airways.

Hazard summary

Physical hazards

Not classified for physical hazards.

Health hazards

Harmful by inhalation and if swallowed. Harmful: may cause lung damage if swallowed. Occupational exposure to the substance or mixture may cause adverse health effects.

Environmental hazards

Not classified for hazards to the environment.

Specific hazards

Combustible. Harmful: may cause lung damage if swallowed.

Main symptoms

Irritating to eyes, respiratory system and skin. Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Prolonged exposure may cause chronic effects.

2.2. Label elements

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

Hazard pictograms



Signal word	Danger
Hazard statements	
H304	May be fatal if swallowed and enters airways.
Precautionary statements	
Prevention	
P280	Wear protective gloves/eye protection/face protection.
Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P331	Do NOT induce vomiting.
Storage	
P405	Store locked up.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	Not applicable.
2.3. Other hazards	Not assigned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Naphtha Petroleum, Hydrotreated Heavy	20 - < 30	64742-48-9 265-150-3	-	649-327-00-6	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).

Classification: **DSD:** Carc. Cat. 2;R45, Muta. Cat. 2;R46, Xn;R65
CLP: Asp. Tox. 1;H304, Muta. 1B;H340, Carc. 1B;H350

Other components below reportable levels 70 - < 80

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

#: This substance has been assigned Community workplace exposure limit(s).

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. If you feel unwell, seek medical advice (show the label where possible).

4.1. Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Call a physician if symptoms develop or persist.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes 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	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do not induce vomiting. 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. Defatting of the skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Shortness of breath. Discomfort in the chest.
- 4.3. Indication of any immediate medical attention and special treatment needed** In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

- General fire hazards** Combustible liquid.
- 5.1. Extinguishing media**
- Suitable extinguishing media** Water fog. Carbon dioxide (CO2). Alcohol resistant foam. Powder.
- 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** By heating and fire, harmful vapours/gases may be formed.
- 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. Structural firefighters protective clothing will only provide limited protection.
- Special fire fighting procedures** Not available.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures**
- For non-emergency personnel** Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep people away from and upwind of spill/leak. In case of spills, beware of slippery floors and surfaces.
- For emergency responders** Keep unnecessary personnel away.
- 6.2. Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.
- 6.3. Methods and material for containment and cleaning up** Extinguish all flames in the vicinity.
- 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. Following product recovery, flush area with water.
- Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
- Never return spills in original containers for re-use.
- 6.4. Reference to other sections** Not available.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling** DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. All equipment used when handling the product must be grounded. Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas. Avoid prolonged or repeated contact with skin. Wear protective gloves/eye protection/face protection. Wash thoroughly after handling. Use care in handling/storage.
- 7.2. Conditions for safe storage, including any incompatibilities** Keep tightly closed in a dry, cool and well-ventilated place. Storage temperature: between 0°F and 49°F. Keep out of the reach of children. Store locked up.
- 7.3. Specific end use(s)** Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Finland. Workplace Exposure Limits

Components	Type	Value
Naphtha Petroleum, Hydrotreated Heavy (CAS 64742-48-9)	TWA	500 mg/m3

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

Components	Type	Value
Naphtha Petroleum, Hydrotreated Heavy (CAS 64742-48-9)	TWA	300 mg/m ³
		50 ppm

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

Components	Type	Value
Naphtha Petroleum, Hydrotreated Heavy (CAS 64742-48-9)	STEL	900 mg/m ³
	TWA	300 mg/m ³

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
Naphtha Petroleum, Hydrotreated Heavy (CAS 64742-48-9)	STEL	600 mg/m ³
	TWA	100 ppm 300 mg/m ³ 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.

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

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

Skin protection

- **Hand protection** Use personal protective equipment as required. Chemical resistant gloves are recommended.

- **Other** Do not get this material in contact with skin. Chemical resistant gloves.

Respiratory protection Do not breathe dust/fume/gas/mist/vapors/spray. No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Not available.

Hygiene measures Do not get in eyes, on skin, on clothing. When using, do not eat, drink or smoke. Wash hands after handling. Handle in accordance with good industrial hygiene and safety practices.

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	Liquid.
Form	Liquid.
Colour	White
Odour	Mild.
Odour threshold	Not established
pH	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	100 °C (212 °F)
Flash point	62,00 °C (143,60 °F) Tag closed cup

Evaporation rate	< 1 BuAc
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	1,3 %
Flammability limit - upper (%)	9,5
Vapour pressure	17,5 mm Hg @ 20°C
Vapour density	6
Relative density	Not available.
Solubility(ies)	Emulsifies
Partition coefficient (n-octanol/water)	< 1
Auto-ignition temperature	> 300 °C (> 572 °F)
Decomposition temperature	Not available.
Viscosity	5000 - 12000 cP @ 25°C
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	
Heat of combustion	< 20 kJ/g
Percent volatile	Not established
Specific gravity	0,92 - 0,94
VOC (Weight %)	20 % per U.S. State and Federal Consumer Product Regulations.

SECTION 10: Stability and reactivity

10.1. Reactivity	Strong oxidizing agents.
10.2. Chemical stability	Instability caused by elevated temperatures.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. This product may react with oxidizing agents.
10.5. Incompatible materials	Incompatible with oxidizing agents.
10.6. Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

General information	Not available.
Information on likely routes of exposure	
Ingestion	May be harmful if swallowed. 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.
Eye contact	May be irritating to eyes.
Symptoms	Not available.
11.1. Information on toxicological effects	
Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory sensitisation	Based on available data, the classification criteria are not met.
Skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	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)." No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	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)." Based on available data, the classification criteria are not met.

Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	May be harmful if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death.
Mixture versus substance information	Not available.
Other information	Symptoms may be delayed.

SECTION 12: Ecological information

12.1. Toxicity	Not expected to be harmful to aquatic organisms.
12.2. Persistence and degradability	Expected to biodegrade.
12.3. Bioaccumulative potential	Not available.
Partition coefficient n-octanol/water (log Kow)	
LPS® Heavy-Duty Silicone	< 1
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	Not available.

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.

SECTION 14: Transport information

General	This material is not regulated by any mode of transportation.
ADR	Not regulated as dangerous goods.
RID	Not regulated as dangerous goods.
ADN	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

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. 143/2011 Annex XIV Substances Subject to Authorisation
Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Naphtha Petroleum, Hydrotreated Heavy (CAS 64742-48-9)

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

Not regulated.

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

Naphtha Petroleum, Hydrotreated Heavy (CAS 64742-48-9)

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances
Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Naphtha Petroleum, Hydrotreated Heavy (CAS 64742-48-9)

Directive 94/33/EC on the protection of young people at work
Naphtha Petroleum, Hydrotreated Heavy (CAS 64742-48-9)

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 allow to work with this product according to the EU Directive 94/33/EC on the protection of young people at work.

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 Not available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15
R20/22 Harmful by inhalation and if swallowed.
R45 May cause cancer.
R46 May cause heritable genetic damage.
R65 Harmful: may cause lung damage if swallowed.
H304 May be fatal if swallowed and enters airways.
H340 May cause genetic defects.
H350 May cause cancer.

Revision information This document has undergone significant changes and should be reviewed in its entirety.

Training information Not available.

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.