

MATERIAL SAFETY DATA SHEET

according to EU Directive 93/112/EC

SILICONE INJECTION FLUID

Version: 2

Print date: 11.2.13



1. Identification of Substance/Preparation and Company

Product Name: Silicone Injection Fluid
Company: Refurb (Holdings) Ltd. t/a DIY Refurb
15 & 17 Church Street
Stourbridge
West Midlands DY8 1LU
Telephone: 0800 1114898
Email: sales@diyrefurb.com

2. Composition / Information on ingredients

Identification numbers:	Weight %	CAS-No	NECS	EC-Index	Risk Phrases
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (de-aromatised white spirit solvent)	96.00	64742-48-9	265-150-3	649-327-00-6	R10 R65 R66
Polymethylsiloxane Resin (silicone)	6.00	64742-88-7	265-191-7		

3. Hazards identification



Most important hazards: Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Flammable. Dangerous for the environment. Repeated exposure may cause skin dryness or cracking.

Risk phrases: R10, R51/53, R65, R66, R67

Benzene Content: Less than 0.1% weight. Maximum Aromatics 0.5% volume.

4. First aid measures

General advice: Do not induce vomiting. Remove to fresh air. Obtain medical attention.

Inhalation: Move to fresh air. Obtain medical attention.

Skin contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Obtain medical attention.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Obtain medical attention.

Ingestion: Do not induce vomiting without medical advice. Obtain medical attention.

5. Fire fighting measures

Flash point: °C 40

Explosion limits: - lower 0.6 vol. % - upper 8.0 vol. %

Suitable media: Alcohol resistant foam. Fog - in the absence of fog a fine spray may be used.

Unsuitable media: Do not use water jet.

Specific hazards: Flammable.
Harmful by inhalation, in contact with skin and if swallowed. The vapour may be invisible. The vapour is heavier than air and spreads along the ground. May form explosive mixture with air particularly in empty uncleaned receptacles.

Equipment: Breathing apparatus plus protective gloves.

Additional advice: Keep container(s) cool by spraying with water if exposed to fire. Extinguish with waterspray, dry chemical or alcohol foam. Do not use water jet.

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**6. Accidental release measures**

Personal precautions: Remove all sources of ignition. Avoid Inhalation. Evacuate personnel to safe areas. Contact the proper local authorities.

Environmental precautions: Prevent liquid entering sewers, basements and workpits. If substance has entered a water course or sewer or contaminated soil or vegetation, advise police.

Methods for cleaning up: Contain or absorb leaking liquid with sand or earth. Soak up with inert absorbent material and dispose as hazardous waste. Contact waste disposal services.

7. Handling and storage

Ensure good ventilation. Pump at no greater than 7 metres per second. Keep in tightly closed, clearly labelled containers. No smoking. Naked flames, hot elements or other ignition sources must not be present.

8. Exposure controls / personal protection

Chemical Name: NAPHTHA (PETROLEUM), HYDROTREATED HEAVY
PRODUCT - Occupational Exposure Standard: OEL sol 1000mg/m³ (8hour TWA) EH40(UK)

Additional OEL's information:

Personal protection equipment:

Respiratory protection: Avoid Inhalation. Provide adequate ventilation

Hand protection: Wear suitable gloves and eye/face protection.

Eye protection: Goggles giving complete protection to eyes. Eyewash bottle with clean water.

Skin and body protection: Avoid contact with skin. Wash off immediately with soap and plenty of water.

Additional information: Hand and skin protection recommended at all times. Where exposure is likely protective clothing must be worn, including nitrile gloves approved to BS EN 374 with a breakthrough time of >360 minutes. Use protective gloves made of PVC or Butyl Rubber. The durability of PPE will vary according to use.

9. Physical and chemical properties

Relative Density:	15 °C	0.770	
Boiling point/range:	°C	160 - 200	Melting point: °C Below 0
Vapour Density	Air = 1	Above 1	Surface Tension: 40 °C <25 mN/m
Physical Form:	Liquid		Vapour Pressure: 37.8 °C <10mbar
Water solubility	20 °C	insoluble	
Viscosity:	40 °C	1.09 cSt.	

10. Stability and reactivity

Stability: Stable at normal conditions

Conditions to avoid: Fire or intense heat may cause violent rupture of packages.

Materials to avoid: Strong acids and oxidizing agents.

Hazardous decomposition products: Burning will produce Carbon Dioxide and/or Carbon Monoxide. Product reacts with to form a gel. Product should not be allowed to contaminate polystyrene, bitumen or asphalt-based materials.

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**11. Toxicological information**

Inhalation	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. May ultimately cause unconsciousness.									
Skin Contact	Prolonged skin contact may defat the skin and produce dermatitis.									
Eye Contact	Contact will cause intense smarting and irritation.									
Ingestion	May cause irritation of the mouth, throat and digestive tract causing vomiting and abdominal pain. Significant absorption may cause sleepiness and pulmonary oedema.									
Acute Toxicity Data:	<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">ORAL (ingestion)</td> <td style="width: 33%;">DERMAL (skin)</td> <td style="width: 33%;">INHALATION</td> </tr> <tr> <td>NAPHTHA (PETROLEUM),</td> <td>LD50/oral/rat =</td> <td>>5000mg/kg (Lit Data)</td> </tr> <tr> <td>HYDROTREATED HEAVY</td> <td>LD50/dermal/rabbit =</td> <td>>3000mg/kg (Lit Data)</td> </tr> </table>	ORAL (ingestion)	DERMAL (skin)	INHALATION	NAPHTHA (PETROLEUM),	LD50/oral/rat =	>5000mg/kg (Lit Data)	HYDROTREATED HEAVY	LD50/dermal/rabbit =	>3000mg/kg (Lit Data)
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12. Ecological information


Biodegradability	Readily biodegradable.
Bioaccumulation	Likely to bio-accumulate, but with short retention of the order of a week or less.
Mobility	Water: Insoluble: the product spreads over the surface of the water and will slowly evaporate. Soil: The product has only slight mobility in the soil and will partially evaporate.
Water Solubility	Not water-soluble.
Specific Advice	This product is classified as Non Toxic to fish. OECD 301F 28 day test was found to be 100% when expressed as a ratio of the Biochemical oxygen demand (BOD) to the Chemical Oxygen demand (COD).
LC50 (fish) mg/l	LC50/96h/fish = >100mg/litre.

13. Disposal considerations

Disposal through as authorised contractor to a licensed site. In accordance with the Control of Pollution ACT 1974. Control of Pollution (Special Waste) Regulations 1980 apply. Hazardous waste as defined by EC Council Directive 91/689/EEC.

14. Transport information

Proper shipping name:	Petroleum distillates n.o.s.	Carriage Hazard Warning:	Flammable liquid
UN No.	1268	Subsidiary:	Not classified
UN Class:	3	TREM-CARD:	30G35
UN Packing Group:	III	HAZCHEM EAC:	3Y
ADR Kemlar No:	30	Item:	31c
ADR/RID		HI/UN No:	30/1268
Class:	3	Marine pollutant:	No
TREM-CARD:	30G35		
Proper shipping name:	Petroleum distillates n.o.s.		
IMO			
UN-No:	1268		
Class:	3.3		
EmS:	F-E,S-E		
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15. Regulatory information

Classification according to European directive on classification of hazardous preparations 90/492/EEC

Symbol(s):

Xn - Harmful. Marine Pollutant.

R -phrase(s):

R10 - Flammable. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R65 - Harmful: May cause lung damage if swallowed.. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness
S -phrase(s):
 S 2 - Keep out of reach of children. S23 - Do not breathe vapour. S24 - Avoid contact with skin. S43 - In case of fire, use. foam dry powder CO 2
 Do not use water S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

UK REGULATIONS:

Control of Pollution Act 1974.

Control of Pollution (Special Wastes) Regulations 1980 SI 1709.

The Control of Substances Hazardous to Health Regulations 1988 (As amended).

Dangerous Substances (Notification and Marking of Sites) Regulations 1990 SI 304.

Environmental Protection Act 1990. (As amended)

Environmental Protection (Duty of Care) Regulations 1991. (As amended)

The Chemicals (Hazard Information and Packaging) Regulations 2002. (As amended)

The Carriage of Dangerous Goods by Road Regulations 1996/2095 (As Amended)

The Carriage of Dangerous Goods (Classification Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations

1996/2092. (As Amended)

The Carriage of Dangerous Goods by Rail Regulations 1996/2089 (As Amended)

Special Waste Regulations 1996 (As amended)

Petroleum (Consolidation) Act 1928 (As Amended)

16. Other Information

CPL Regulations 1984. Control of Substances Hazardous to Health (SI 1988/1657). Chemical Hazard Information and Packaging (1993). Environmental Protection Act 1990.

The information given in this document has been compiled on the basis of available knowledge in accordance with the requirements of the Chemical Hazards information and Packaging Regulations 1993. It does not imply that the information is complete or accurate in all cases. It is the users responsibility to satisfy him/herself as to the application of the information and/or the recommendations given for his/her own use.