

PRODUCT SAFETY DATA SHEET

Ref: SILICONE REMOVER

Date: 05.09.11

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01. IDENTIFICATION OF SUBSTANCE / PREPARATIONS:

Product name: Silicone Remover
Product code: T20001
Supplier: MB Products (UK) Ltd, t/a MB Coatings
Unit 230 Ampress Business Park
Lymington, Hants SO41 8JW
Tel: 01590 677676 Fax: 01590 678578 Web: www.mbcoatings.co.uk

02. COMPOSITION / INFORMATION ON INGREDIENTS:

Description	CAS No	% (Weight)	EINECS No	Symbol	Classification
Naptha (petroleum) Arom.-contg	68603-08-7	10-20	271-635-0	Xn	R11, R51/53, R65/66/67, R48/20, R62 H350, H304
Naptha (petroleum) Hydrotreated Light	67472-49-0	80	265-151-9	Xn	R11, R65, R67, R38, R51/53 H350, H304
n-Butyl Acetate	123-86-4	2-8	204-658-1		R10, R66 R67 H226, H336
n-Hexane	110-54-3	1,5 – 2,5	203-777-6	Xn, Xi, N	R11, R62, R65-48/20, R38, R67, R51-53 H225, H361F, H304, H373, H315
Toluene	108-88-3	>1,5	203-625-9	Xn, Xi	R11, R63, R48/20-65, R38, R67 H225, H361d, H304, H373, H315, H336
Benzene	71-43-2	<0,05	200-753-2	Xn, Xi	R11, R45, R46, R38/23/24/25, R65, R36/38 H225/H350/H340/H375/H304/H31/H315

The texts of the R and H phrases are listed in chapter 16.

03. Hazards Identification:



Flammable



Irritant/ Harmful

Risk Warnings

- Flammable.
- May cause sensitization by skin contact.
- Vapours may cause drowsiness and dizziness.

04. First Aid Measures:

General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Remove patient to fresh air and seek medical assistance. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recover position.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly.

Eye Contact

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

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Ingestion

Immediately rinse mouth and then drink plenty of water. Do **NOT** induce vomiting. Keep the patient warm and at rest and call a doctor immediately.

05. Fire-Fighting Measures:

Suitable Extinguishing Media

CO2 Foam, chemical powder for flammable liquids. Water may not be used to extinguish fire but it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not could fire nebulized water may be used to disperse flammable vapours. Do not allow run-off from fire fighting to enter drains or watercourses.

Unsuitable Extinguishing Method

Water Jet

Special Hazards due to the Substance, its Decomposition Products or Gases products by Fire:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special Protective Equipment

Appropriate breathing apparatus, helmet with face shield, protection for neck may be required.

Addition information

Cool closed containers in the vicinity of the source of fire.

06. Accidental Release Measures:

Person Protective Measures

Refer to protective measures listed in sections 5. Exclude sources of ignition and ventilate the area. Avoid breathing vapours.

Measures to Protect the Environment

Do not allow to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environment Agency.

Cleaning Measures

Contain and collect spillage with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

07. Handling and Storage:

Handling

Instructions for Safe Handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid concentration higher than the occupational exposure limits. Avoid skin and eye contact. Avoid inhalation of vapour. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the Health and Safety at work laws. Isolate from sources of heat, sparks and open flame. Do not use any sparking tools. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear anti-static clothing and footwear.

Information on Fire and Explosion Protection

Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air. Keep container dry and tightly closed in a cool well-ventilated place.

Storage

Requirements for Storage Areas and Containers

Electrical equipment must be explosion-proof to the appropriate standard. Floors must be conducting type and impermeable to the materials being stored.

Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. Close containers carefully once opened and store upright in order to prevent any leakage. No smoking. Prevent unauthorized access

Additional Information on Storage Conditions

Always keep in containers of the same material as the original one.

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Observe label precautions. Store in a well-ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition.

Specific use(s)

Detailed information can be gained from the relevant technical data sheets.

08. Exposure Controls / Personal Protection

Engineering Measures

Provide adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the work place below the occupational exposure limits, appropriate certified respirators must be worn.

Exposure Control

Substance Name	CAS No	8 Hours		Short Term	
		ppm	mg/m ³	ppm	mg/m ³
n-Hexane	110-54-3	20	72		
Toluene	108-88-3	50	192	100	384

Personal protection

Respiratory Protection

When workers are facing concentrations above the occupational exposure limited they must use appropriate certified respirators, goggles and overalls.

Hand Protection

Wear protective gloves. Any chemical protection glove certified according to EN 374 is suitable: e.g. nitrile gloves. Material thickness: 1,25 mm. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Eye Protection

Required when there is a risk of eye contact. Use tight-fitting protective goggles.

Environmental exposure controls

See section 7 and 12

09 Physical and Chemicals Properties

Physical state/ Colour	:	Colourless liquid with characteristic smell
Boiling Point	:	70°C
Melting Point	:	-20°C
Solubility in water	:	Insoluble
Solubility in Organic Solvents	:	Well soluble
Specific gravity	:	No data
Flash Point	:	ca. <0°C
Autoignition Point	:	>240°C
Flammable	:	Highly Flammable
Explosive properties: limits	:	lower: 1,2 vol.% Upper: 8,0 vol.%
Oxidizing properties	:	Not oxidizing, no concern
Viscosity	:	<0,37 mm ² /s (kinetic)
Vapour Pressure	:	43 kPa

10. Stability and Reactivity

Stable under recommended storage and handling conditions (see section 7)

Conditions to be avoided

Substances to be avoided

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous Decomposition Products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. Toxicological Information

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as serious depression of the central nervous system, symptoms and

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signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of Consciousness. Styrene has a toxic effect on the central and peripheral nervous system (with encephalopathies and polyneuritis), irritating to the skin, conjunctivae, cornea and respiratory apparatus. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes may cause irritation and reversible damage.

12. Ecological Information

General

There are no test results available for this product. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for ecotoxicological properties accordingly. See sections 2 and 15 for details The product should not be allowed to enter drains or watercourses. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environment Agency

13. Disposal Considerations

Do not dispose with communal wastes or drain into the drainage system. Consider the possibility of burning the product in a suitable incinerator

Dirty Containers

Recommendation

Containers which are not properly emptied must be disposed pursuant to Directive 15 01 10 EEC.

14. Transport Information

Transport by Road or Rail: UN 1268, petroleum Products N.O.S. (contain: naphtha (petroleum) arom.-contg), Class 3, Packing Group II, Tunnel Restriction Code: D/E, Marine Pollutant: NO

Sea Transport: UN 1268, petroleum Products N.O.S. (contain: naphtha (petroleum) arom.-contg), Class 3, Packing Group II, Marine Pollutant: NO, EMS: F-E, S-E

Air Transport: IATA 3, UN 1268, petroleum Products N.O.S. (contain: naphtha (petroleum) arom.-contg), Class 3, Packing Group II, Marine Pollutant: NO

15. Regulatory Information

General bibliography:

1. Regulation 1907/2006/EPC concerning (REACH) amending Directive 1999/45/EC, repealing EEC 793/93 and 1488/94/EC as well as directives 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC3.
2. Commission Regulation 790/2009/EC amending for the purpose of adaption to technical and scientific progress, regulation No 1272/2008/ECC on classification, labeling and packaging of substances and mixtures.
3. Directive 1999/45/ECP concerning approximation of the laws, regulations and administrative provision of the member states regarding classification, labeling and packaging of dangerous preparations.
4. Regulation 1272/2008 of the European Parliament and Council on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending regulation 1907/2006/EC.
5. Commission Regulation 453/2010/EU amending regulation 1907/2006/EC(REACH)

Danger labeling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must not undergo health checks, providing that available risk-assessment data prove that the risks related to the worker's health and safety are modest and that the 98/24EC regulation is respected.

16. Other Information

Restricted to professional users.

Full text of risk warnings for components listed in section 2

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R Phrases

- R10-11** : Highly Flammable.
R36/38 : Irritating to eyes and skin.
R45 : May cause cancer.
R48/20/23/24/25 : Harmful: danger of serious damage to health by prolonged exposure through Inhalation, in contact with skin and if swallowed.
R52/53 : Toxic to aquatic organisms may cause long term adverse effect in the aquatic Environment.
R62/63 : Possible risk of impaired fertility, risk of harm to unborn child.
R65/66/67 : Harmful may cause lung damage if swallowed, repeated exposure may cause skin Dryness or cracking, vapours may cause drowsiness and dizziness.

H Phrases

- H225/6** : Highly Flammable liquid and vapor.
H304 : May be fatal if swallowed and enters airways.
H315/319 : Causes skin irritation. Causes serious eye irritation
H336 : May cause drowsiness and dizziness
H340 : May cause genetic defects.
H350 : May cause cancer.
H361/d : Suspected of damaging the unborn child.
H373 : May cause damage to organs through prolonged or repeated exposure.
H411 : Toxic to aquatic life with long lasting effects.

S Phrases

- S2** : Keep out of the reach of children.
S336/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S51 : Use only in well-ventilated areas.
S62 : If swallowed **do not** induce vomiting: seek medical advice immediately and show This container or label.

P Phrases

- P210** : Keep away from heat/sparks/open flames/hot surfaces – **No Smoking.**
P260 : Do not breathe dust/fumes/gas/mist/vapours/spray.
P271 : Use outdoors or in a well-ventilated area.
P281 : Use personal protective equipment as required.
P301/P310/P331 : If **swallowed** immediately call a Poison Centre/Doctor – do NOT induce vomiting.

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products` properties.