



SAFETY DATA SHEET TAR REMOVER

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

1.1. Product identifier

Product name TAR REMOVER
Product number ATA375,TAR375,STR300,MTR500

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

Identified uses Releasing agent.

1.3. Details of the supplier of the safety data sheet

Supplier TETROSYL LIMITED
 Bury
 Lancashire
 England
 BL9 7NY

 0161 764 5981
 0161 797 5899
 info@tetrosyl.com

Manufacturer TETROSYL LIMITED
 Bury
 Lancashire
 England
 BL9 7NY

 0161 764 5981
 0161 797 5899
 info@tetrosyl.com

1.4. Emergency telephone number

Emergency telephone 0161 764 5981

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226
Health hazards Not Classified
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi;R38. R10,R52/53,R67.

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

TAR REMOVER

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

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

Detergent labelling

≥ 30% aliphatic hydrocarbons, < 5% non-ionic surfactants, < 5% polycarboxylates, Contains Benisothiazolinone, Methylisothiazolinone

Supplementary precautionary statements

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash contaminated skin thoroughly after handling.

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

TAR REMOVER

PETROLEUM DISTILLATES		10-30%
CAS number: 64742-81-0	EC number: 265-184-9	REACH registration number: 01-2119462828-25-XXXX
Classification Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R38. N;R51/53.	
HYDROCARBONS, C9 - C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS		10-30%
CAS number: —	EC number: 919-857-5	REACH registration number: 01-2119463258-33-XXXX
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65. R10,R66,R67.	
KAOLINITE		1-5%
CAS number: 1332-58-7	EC number: 310-127-6	
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -	
OCTAMETHYLCYCLOTETRASILOXANE		<1%
CAS number: 556-67-2	EC number: 209-136-7	
Classification Flam. Liq. 3 - H226 Repr. 2 - H361f Aquatic Chronic 4 - H413	Classification (67/548/EEC or 1999/45/EC) Repr. Cat. 3;R62 R53	
ALCOHOLS, C16-18, ETHOXYLATED (APPROX 20 EO)		<1%
CAS number: 68439-49-6	EC number: 500-212-8	
M factor (Acute) = 1		
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41. N;R50.	

TAR REMOVER

AMMONIA ...100%	<1%
CAS number: 1336-21-6	EC number: 215-647-6
M factor (Acute) = 1	
Classification Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) C;R34 N;R50
1,2-BENZISOTHIAZOL-3(2H)-ONE	<1%
CAS number: 2634-33-5	EC number: 220-120-9
M factor (Acute) = 10	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) Xn;R22 R43 Xi;R38,R41 N;R50

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues. Remove affected person from source of contamination. Effects may be delayed. Keep affected person under observation.
Inhalation	Remove affected person from source of contamination. Get medical attention if any discomfort continues. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration.
Ingestion	Get medical attention if any discomfort continues. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if a large quantity has been ingested. Show this Safety Data Sheet to the medical personnel.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Consult a physician for specific advice.
Eye contact	Do not rub eye. Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.
Inhalation	Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression. Irritation of nose, throat and airway.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting. Ingestion of large amounts may cause unconsciousness. May cause nausea, headache, dizziness and intoxication. Burning sensation in mouth.

TAR REMOVER

Skin contact Prolonged skin contact may cause redness and irritation. Mild dermatitis, allergic skin rash.

Eye contact Irritation of eyes and mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Not relevant.

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Leave danger zone immediately. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of spray mist and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

TAR REMOVER

Usage precautions

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Avoid the formation of mists. Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Keep only in the original container. Store away from the following materials: Oxidising materials.

Storage class

Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

No exposure limits known for ingredient(s).

PETROLEUM DISTILLATES

Long-term exposure limit (8-hour TWA): WEL 800 mg/m³

KAOLINITE

Long-term exposure limit (8-hour TWA): WEL 2 mg/m³ respirable dust

AMMONIA ...100%

Long-term exposure limit (8-hour TWA): WEL 18 mg/m³

Short-term exposure limit (15-minute): WEL 25 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. It is recommended that gloves are made of the following material: Nitrile rubber.

Other skin and body protection

Provide eyewash station.

TAR REMOVER

Hygiene measures	Wash contaminated clothing before reuse. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Colour	White.
Odour	Characteristic.
Odour threshold	Not determined.
pH	pH (concentrated solution): 8 - 9.5
Melting point	Not determined.
Initial boiling point and range	>100°C @
Flash point	38°C
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	0.950 - 1.00 @ °C
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	4000 - 8000 cSt @ °C
Oxidising properties	Not available.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Strong oxidising agents.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

TAR REMOVER

Conditions to avoid Avoid contact with strong oxidising agents. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact Irritating to eyes.

Acute and chronic health hazards This chemical can be hazardous when inhaled and/or touched. May cause severe internal injury. Vapour from this product may be hazardous by inhalation.

Route of entry Inhalation Ingestion. Skin and/or eye contact Skin absorption

SECTION 12: Ecological Information

Ecotoxicity Dangerous for the environment if discharged into watercourses.

12.1. Toxicity

Acute toxicity - fish LC₅₀, 96 hours: >1000 mg/l (Onchorhynchus mykiss) (Naptha [Petroleum], Hydrotreated Heavy) mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >1000 mg/l (Naptha [Petroleum], Hydrotreated Heavy) mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: >1000 mg/l (Naptha [Petroleum], Hydrotreated Heavy) mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

Adsorption/desorption coefficient Not available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

TAR REMOVER

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Confirm disposal procedures with environmental engineer and local regulations.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993

14.2. UN proper shipping name

Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES, octyl aldehyde)

Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES, octyl aldehyde)

Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES, octyl aldehyde)

Proper shipping name (ADN) FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES, octyl aldehyde)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID label	3
IMDG class	3
ICAO class/division	3

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS	F-E, S-E
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

TAR REMOVER

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	02/01/2014
Revision	29
Supersedes date	09/05/2013 v28
SDS status	Approved.
Risk phrases in full	<p>R10 Flammable.</p> <p>R22 Harmful if swallowed.</p> <p>R34 Causes burns.</p> <p>R37 Irritating to respiratory system.</p> <p>R38 Irritating to skin.</p> <p>R41 Risk of serious damage to eyes.</p> <p>R50 Very toxic to aquatic organisms.</p> <p>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R65 Harmful: may cause lung damage if swallowed.</p> <p>R66 Repeated exposure may cause skin dryness or cracking.</p> <p>R67 Vapours may cause drowsiness and dizziness.</p>
Hazard statements in full	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H311 Toxic in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H330 Fatal if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H361f Suspected of damaging fertility.</p> <p>H400 Very toxic to aquatic life.</p> <p>H413 May cause long lasting harmful effects to aquatic life.</p> <p>EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.</p>