

AQUAMARINE CHEMICALS
PRODUCT SAFETY DATA SHEET
(according to Regulation (EC) No. 453/2010)

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Trade Name : **HD Tank Cleaner**

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

Use of the Substance/Mixture : Degreasing Solvent

Recommended restrictions : At this time we do not have information on restrictions on use. They will be included when available.

1.3 Details of the supplier of the safety data sheet

Company : Aquamarine Chemicals, 2 Duddage Manor Business Park, Twyning, Glos. GL20 6BY. Tel: 01684 290077 Fax: 01684 290608

1.4 Emergency telephone number

Emergency phone number : (Office hours only): 01405 768815

2. Hazards Identification.

2.1 Classification of the substance or mixture

Classification according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger	Risk Phrases
Harmful	R65
	R66
Dangerous for the environment	R51/53

Classification according to Regulation (EC) No 1272/2008

Refer to section 16.

For the wording of the listed R phrases or H statements, refer to section 16.

2.2 Label elements

Labelling according to EU Directive 1999/45/EC

Hazard Symbol:



Classification: Xn, Harmful N, Dangerous for the environment

Risk Phrases: 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

Safety Phrases: S2: Keep out of the reach of children
S24/25: Avoid contact with skin and eyes
S37: Wear suitable gloves
S61: Avoid release to the environment. Refer to special instructions/safety data sheet
S62: If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label.

Labelling according to Regulation (EC) No 1272/2008

Refer to Section 16.

Hazardous components which must be listed on the label

Contains Solvent Naphtha

2.3 Other hazards

None known

3. Composition/Information on Ingredients.

3.2 Mixtures

Substances presenting a health or environmental hazard according to Directive 67/548/EEC or Regulation EC1272/2008

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Solvent Naphtha	EC – 265-198-5 CAS – 64742-94-5	Harmful R65 Harmful R66 Dangerous to the Environment R51/53	Asp. Tox. 1 H304 EUH 066 Aquatic Chronic 2 H411	40-70%
Kerosene Hydrodesulfurised	EC – 265-184-9 CAS – 64742-81-0	Flammable R10 Harmful R65, R66 Dangerous for the Environment R51/53	Flamm Liq.3 H226 Asp. Tox 1 H304 EUH 066 Aquatic Chronic 2 H411	20-40%
1,2,4 trimethyl benzene	EC – 202-436-9 CAS – 95-63-6	Flammable R10 Harmful R20 Irritant R36/37/38 Dangerous for the Environment R51/53	Flamm Liq.3 H226 Acute Tox.4 H332 Skin Irrit. 2 H315 Eye Irrit.2 H319 STOT SE 3 H335 Aquatic Chronic 2 H411	5-10%
Coco diethanolamide	EC - 271-657-0 CAS – 68603-42-9	Irritant R38 Irritant R41	Skin Irritation 2 H315 Eye Damage 1 H318	1-5%
Alcohol Ethoxylate	EC – Polymer CAS – 68439-45-2	Irritant R41	Eye Damage 1 H318	1-5%

Additional information: Components 265-198-5 and 265-184-9 contains less than 0.1% Benzene. For the wording of the listed risk phrases and hazard statements, refer to section 16.

4. First Aid Measures.

4.1 Description of first aid measures

Eye Contact: Flush with clean water for 15minutes. If irritation persists, obtain medical attention.

Skin Contact: Wash off with soap and water. The application of skin reconditioning (emollient) cream can be beneficial.

Inhalation: Remove to fresh air. If symptoms persist, seek medical advice.

Ingestion: Water to drink and rinse may be beneficial. **Aspiration Hazard.** May cause rapid absorption via lungs, resulting in injury to other body systems. Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

5. Fire Fighting Measures:

5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, Sand, Earth, Fine Water Spray suitable.

Unsuitable Extinguishing Media :

5.2 Special hazards arising from the substance or mixture

Not classed as flammable but inherently combustible. If involved in fire, may evolve noxious fumes. Fire exposed containers should be sprayed with water to keep cool and avoid bursting.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

6. Accidental Release Measures.

6.1 Personal precautions, protective equipment and emergency procedures

Remove ignition sources. Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

6.2 Environmental precautions

Prevent from spreading (e.g. by dusting a ring of chemical binder). As the product is hazardous for the aquatic environment, it must be prevented from reaching surface water. Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

6.4 Reference to other sections

For personal protection refer to section 8

7. Handling and Storage.

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs. Store in mild steel, stainless steel or polyethylene containers.

7.3 Specific end uses

To be used as a degreasing solvent.

8. Exposure Controls/Personal Protection.

8.1 Control parameters

Exposure limit values:

<u>Ingredient Name</u>		<u>8hr TWA</u>	<u>15min STEL</u>
Naphtha	WEL	5mg/m ³	10mg/m ³
1,2,4 trimethyl benzene	OES	125mg/m ³	-

8.2 Exposure controls

Respiratory Protection: Avoid prolonged contact with airborne mists, generated by atomising systems. Avoid breathing vapours.

Hand: PVC or rubber gloves are recommended.

Eyes: Safety eye goggles should be worn.

Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

9.1 Information on basic physical and chemical properties

Appearance:	Very Pale Amber Fluid
Odour:	Strong Solvent
Odour Threshold:	Not determined
pH Neat:	Not applicable
Freezing Point:	<0°C
Initial Boiling Point & Boiling Range:	200-265°C
Flash Point:	65°C typical
Evaporation rate:	Not determined
Flammability:	Flammable
Upper/Lower Flammability Limits:	Not determined
Vapour Pressure:	Not determined
Vapour Density:	(Water=100) >1
Relative Density:	0.887 typical @ 20°C
Solubility:	Forms emulsion in water, soluble in many organics
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	400°C
Decomposition Temperature:	>100°C
Viscosity @ 40°C:	Not determined
Explosive Properties:	Not determined
Oxidising Properties:	Not applicable

9.2 Other Information

No other information available.

10. Stability and Reactivity.

10.1 Reactivity

No information available

10.2 Chemical Stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid:

Avoid naked flames, hot surfaces and other high temperature sources.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

Oxides of Carbon will be evolved, along with other unidentified organic compounds, some of which may be toxic. Product is stable under normal conditions.

11. Toxicological Information.

11.1 Information on toxicological effects

Eyes:	Contact will cause temporary irritation and stinging.
Skin:	Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact may cause irritation.
Inhalation:	Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract, possible inflammation of the lungs. May cause headaches and dizziness.
Ingestion:	Aspiration Hazard. May cause lung damage if material gets into lungs after swallowing, breathing vapour/spray or vomiting swallowed material. Swallowing of small amounts is not likely to cause serious discomfort. If swallowed in larger quantities, may cause vomiting and diarrhoea.

Acute Toxicity:	Alcohol Ethoxylate	LD50 Oral (rat)	>2000 mg/kg
	Coco diethanolamide	LD50 Oral (rat)	>2000 mg/kg

12. Ecological Information.

12.1 Toxicity

Eco-toxicity:	Alcohol Ethoxylate	LC50 96hrs (fish)	1-10 mg/l
	Coco Diethanolamide	LC50 96 hrs (fish)	2.4 mg/l
		EC50 48 hrs (daphnia)	3.2 mg/l
		IC50 72hrs (algae)	3.9 mg/l

12.2 Persistence and Degradability:

The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the Competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bio-accumulative potential

Not expected to bio-accumulate

12.4 Mobility in soil

Should not be deposited where it can effect ground or surface waters. Partially soluble in water

12.5 Results of PBT and vPvB assessment

No information

12.6 Other adverse effects

Not known.

13. Disposal Recommendations.

13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

14.1 UN number

3082

14.2 UN Proper shipping name

ADR Environmentally Hazardous Substance, Liquid NOS, Marine Pollutant

IMDG Environmentally Hazardous Substance, Liquid NOS, Marine Pollutant

14.3 Transport hazard classes

ADR Class	:	9
Hazard ID No.	:	90
Classification code	:	M6
Tunnel restriction code	:	E
Labels	:	Class 9



IMDG Class	:	3
EMS	:	F-A, S-F
Labels	:	Class 3

14.4 Packing group

ADR : III
IMDG : III

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR : Yes
Labelling according to 5.2.1.6.3 IMDG : Yes
Classified as 'P' Marine pollutant according to 2.10 IMDG : Yes

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

Not applicable

15. Regulatory Information.

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

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.

16. Other Information.

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Aspiration hazard	Category 1	H304
Hazardous to the aquatic environment - Chronic	Category 2	H411

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:



Signal word:

Danger

Hazard Statements:

H304 May be fatal if swallowed and enters airways
H411 Toxic to aquatic life with long lasting effects
EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary Statements:

General:

P101 : If medical advice is needed, have product, container or label at hand

Prevention:

P276 : Avoid release to the environment

P280 : Wear protective gloves and eye protection

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 Do NOT induce vomiting

Full text of R-phrases referred to under sections 2 & 3

R10: Flammable

R20: Harmful by inhalation

R36/37/38: Irritating to eyes, respiratory system and skin

R38: Irritating to skin

R41: Risk of serious damage to eyes

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

Full text of H-Statements referred to under sections 2 & 3

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H332 Harmful if inhaled

H335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting effects

EUH066 Repeated exposure may cause skin dryness or cracking.

Training Advice

Users should be trained in good industrial hygiene practise.

Department issuing data specification sheet: Health and Safety Department

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

Further Information

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.