

MATERIAL SAFETY DATA SHEET

Last changed: 11/Dec/1998

Internal no.: :rev LdV-3

Replaces date: 30/Apr/1997

COLDWASH HD

1. PRODUCT AND COMPANY

TRADE NAME COLDWASH HD
APPLICATION CLEANING PRODUCTS

ART-NO (651) 571430 (25 liter), 571448 (60 liter), 571455 (210 liter)

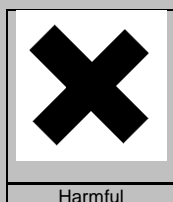
Producer/Importer UNITOR CHEMICALS, Kjemi-Service AS
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Zipcode & City 3163 Borgheim
Country Norway
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Issued by Leen de Visser (+31 6 538 63736)
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Int. +1 703 5273887
USA (800) 424-9300
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2. COMPOSITION OF PRODUCT

No	Ingredients name	CAS-NO	Cons.(weight%)	Classification
1	Naphta, low boiling, hydrogen treated	64742-82-1	60 - 100	Xn,65
2	Kerosine - unspecified	64742-94-5	10 - 30	XnN,51-53-65
3	Fatty Alcohol Ethoxylate	34398-01-1	1 - 5	Xi,36/38
4	Components which do not contribute to the classification of the product.		1 - 5	
Legend	T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, IK=No classification required, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N=Dang. to the environment, Mut=Genetoxic, Sens=Sensitizing, Carc=Carcinogen, Repr=Causes birth defects			

3. HAZARD IDENTIFICATION



Liquid.Light brownEmulsifiable with water.

Harmful: may cause lung damage if swallowed.

R-36/38 Irritating to eyes and skin.

R-36/38 Prolonged or repeated contact may cause defatting, drying, irritant dermatitis.

R-36/38 Inhalation of high vapour concentrations may cause symptoms such as mild irritation, headache, dizziness, fatigue, nausea and in serious cases unconsciousness.

R-36/38 Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

4. FIRST AID

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GENERAL

Seek medical attention if any signs of unconsciousness or discomfort develop. Show this safety data sheet to the physician present.

INHALATION

In case of accidental inhalation of vapours or decomposition products, move to fresh air. Get medical advice if discomfort develops.

SKIN CONTACT

Wash skin thoroughly with soap and water for several minutes. Get medical attention if irritation persists after washing. Remove contaminated clothing immediately. Wash contaminated clothing before reuse.

EYE CONTACT

Flush with large amounts of water (open eyelids) for at least 15 minutes. If eye irritation persists, consult a specialist.

INGESTION

DO NOT INDUCE VOMITING! Get medical advice immediately.

If vomiting occurs, keep the head low to prevent obstruction of airways.

Drink a couple of glasses of water or milk. Too much water increases the danger of vomiting, which makes the damage worse.

MEDICAL INFORMATION

High risk of chemical pneumonia (pneumonitis) if aspirated during and after ingestion. If necessary, perform gastric lavage after intubation. The product has moderate acute toxicity.

5. FIRE FIGHTING MEASURES

PROPER FIREFIGHTING EQUIPMENT

Water spray, fog or mist, alcohol-resistant foam, dry chemical, carbon dioxide (CO₂).

IMPROPER FIREFIGHTING EQUIPMENT

Do not use strong water jet for extinguishing - may cause spattering of burning material.

FIRE AND EXPLOSION HAZARDS

Vapours are heavier than air and may travel along the ground for considerable distances to ignition sources.

PERSONAL PROTECTION WHEN FIREFIGHTING

S-210 Wear self-contained breathing apparatus or supplied-air respirator in confined spaces.

OTHER INFORMATION

Containers close to fire should be removed immediately or cooled with water.

6. ACCIDENTAL RELEASE MEASURES

SAFETY MEASUREMENTS TO PROTECT PERSONS

Clean-up personnel should use respiratory protection and/or protection against liquid contact. Use personal protective equipment as specified in section 8. Vapours are heavier than air and may travel along the ground for considerable distances to ignition sources. Eliminate all possible ignition sources.

SAFETY MEASUREMENTS TO PROTECT ENVIRONMENT

Do not contaminate lakes, canals or ditches with the chemical or its container. Dike with absorbent material and prevent spreading and release to water sources and sewers.

PROPER METHODS FOR DAMAGE LIMITATION AND CLEANUP

Remove spill with absorbent materials and/or mechanical equipment, and dispose of in accordance with section 13. Flush with large amounts of water to clean the area. Ventilate well.

7. HANDLING AND STORAGE

HANDLING ADVICE

Use personal protective equipment as specified in section 8. Avoid contact with skin and eyes. Eyewash facilities should be available at the workplace.

STORAGE

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S-3/9/49 Keep only in the original container in a cool, well ventilated place.S-3/9/49 Containers must be kept tightly closed.S-3/9/49 Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Ingredients name	CAS-no	TLV value	TLV Year
Naphta, low boiling, hydrogen treated	64742-82-1	250.0 mg/m3	1998
Kerosine - unspecified	64742-94-5	120.0 mg/m3	1998



EXPOSURE CONTROL

Arrange working conditions and methods to avoid prolonged contact with the product.Do not inhale aerosol.

RESP. PROTECTION

Normally not necessary in ordinary use.Use respiratory protection for operations which generate gas, fumes, vapour or mist, e.g. gas mask with combination cartridge A2/P2.

EYE PROTECTION

Wear eye protection if there is a possibility of direct contact or splashes.

HAND PROTECTION

Use protective gloves of impervious material, e.g.:Neoprene, nitrile, polyethylene or PVC.

SKIN PROTECTION

Protective clothing should be worn if there is a possibility of direct contact or splashes.

OTHER INFORMATION

Do not smoke in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid.		
Colour	Light brown		
Odour	Characteristic.Hydrocarbons.		
Solubility	Emulsifiable with water.		
Melting point/range	N/E	Density	0.82 @ 20 °C
Expl. limit LEL-UEL., %-%:	0.6 - 6.0	Solubility in water	0 %
Vapor pressure	N/E	Saturation conc.	N/A
Decomposition temp.	N/A	Rel. density sat. air (air=1)	N/A
pH Solution	N/A	Boiling point/range	175-225 °C (760 mm Hg)
Flash point	85 °C	pH konsentrat:	N/A
Molecular weight	N/A	Viscosity	N/E
Ignition temp	230 °C	Smelling limits lo-hi	N/A
Rel. vapor density (air=1)	>1	Rel. evap. velocity	N/E
Air reactive	N/A	Water reactive	N/A

OTHER INFORMATION

N/A = Not applicable.

N/E = Not established.

10. STABILITY AND REACTIVITY

STABILITY

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Stable under normal conditions.

MATERIALS TO AVOID

Hydrocarbons and their derivatives may attack certain types of plastic, rubber and paint.

HAZARDOUS DECOMPOSITION PRODUCTS

No decomposition if stored and used as directed.

OTHER INFORMATION

Vapour/gas may form explosive mixtures with air.

11. TOXICOLOGICAL INFORMATION

GENERAL

Prolonged inhalation of solvents may cause chronic solvent intoxication.

INHALATION

Inhalation may cause irritation to the respiratory system, coughing and shortness of breath. Hydrocarbons may have an anesthetic effect, and may cause chemical pneumonitis upon inhalation of aerosol. Chemical pneumonitis symptoms: Coughing and irritation of the respiratory system.

SKIN CONTACT

Irritates and defats the skin causing dryness, cracking and dermatitis.

EYE CONTACT

Vapour or splashes in the eyes may cause irritation and smarting.

INGESTION

Significant amounts may cause spontaneous vomiting. Risk of inhalation and chemical pneumonitis.

SENSITIZATION

Sensitizing properties are not known.

CANCER

Not regulated.

12. ECOLOGICAL INFORMATION

MOBILITY

Emulsifies in water.

BREAKDOWN

Expected to be potentially biodegradable (inherently biodegradable). The tensides are readily biodegradable.

ACCUMULATION

Has the potential to bioaccumulate.

ECOTOXICITY

Toxic to aquatic organisms.

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

OTHER INFORMATION

No environmental problems are expected if the product is handled/used correctly.

In its intended use the product will not be released into the environment.

13. DISPOSAL

S-35 This material and its container must be disposed of in a safe way. S-35 In accordance with local and national

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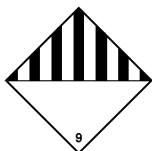
regulations.

14. TRANSPORT INFORMATION

GENERAL

Goods classified for transport : YES
UN-no: : 3082
PROPER SHIPPING NAME : Environmentally hazardous substance, liquid, n.o.s. (Alkyl (C3-C8) Benzenes)
Flash point : 85 °C
Packing group : III

Label information:



ADR

Class : 9
Item. : 11c
Haz. id. no. : 90
ERI-Card : 9-01
TREM-Card : 90G01
Labeltype : 9
Labelcolour : White./Black.

IMDG-CODE

Class : 9
Subsidiary risk : -
Marine pollutant : YES
EMS : -
MFAG : 310
Page Number : 9028
Labeltype : 9
Labelcolour : White./Black.

IATA-DGR

Class : 9
Subsidiary risk : -
Labeltype : 9
Labelcolour : White./Black.
Aircraft Cat. : Passenger & Cargo aircraft

US DOT

Class : 9
Marine pollutant : YES
RQ : N/E
Labeltype : 9
Labelcolour : White./Black.

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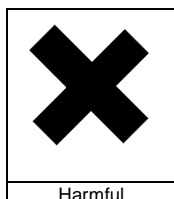
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15. REGULATORY INFORMATION

Classification



COMPOSITION

Alkyl (C3-C8) benzenes

R-PHRASES

R-65 Harmful: may cause lung damage if swallowed.

S-PHRASES

S-23 Do not breathe gas/fumes/vapour/spray

S-24 Avoid contact with skin.

S-60 This material and its container must be disposed of as hazardous waste.

S-61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

REFERENCES

Classified according to European directive on classification of dangerous preparations 90/492/EEC.

OTHER INFORMATION

The product is labelled in accordance with EU directive 88/379.

16. OTHER INFORMATION

ISSUED: 11/Dec/1998

VENDOR NOTES

The safety data sheet fulfills requirements specified in Directive 93/112/EEC. The safety data sheet has been prepared on the basis of information given by our suppliers and our present knowledge. Information given is intended to present guidelines for safe handling, use, processing, storage, transport, disposal and discharge; it is not intended to be a guarantee or quality specification. The intent of this safety data sheet is to give a description of the product with regard to safe storage, handling and use. Information given applies only to the product itself, and not in combination with other products or in any processed form, unless this is specified in the text. We believe that all information in this safety data sheet (which replaces all previous versions) was correct at the date of issue. It is the responsibility of the recipient of this safety data sheet to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product.