

Article no.: 024-000-00755 Hydro-Cleaner
Date of print: 26.05.2010 Revision date: 11.05.2010

EN
page:1/5

1. Identification of the substance/preparation and of the company/undertaking

Article no. (manufacturer / supplier): 024-000-00755

Identification of the substance or preparation: Hydro-Cleaner
colourless

Use of the substance / preparation:

Maintenance agent

Supplier (manufacturer/importer/downstream user/distributor):

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Dept. responsible for information:

Labor

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2. Hazards identification

hazard designation:

Critical hazard to man and environment:

3. Composition/information on ingredients

chemical characterization (preparation)

description: Sonderartikel

Dangerous ingredients:

EC-no.:	Identification of the hazard:	danger symbol(s):	% by weight
CAS-No.:	R phrases:	Remark:	
INDEX no.:	REACH-no.:		
200-661-7	propan-2-ol	Xi,F	5 - 10
67-63-0	11-36-67		
603-117-00-0			
127036-24-2	Fatty alcohol polyglycol ether 22-41	Xn	1 - 2,5

Additional information

* Substance with a common (EC) occupational exposure limit value.

Full text of R-phrases: see section 16.

Labelling for contents according to regulation (EC) No 648/2004, annex 7:

Moschus Keton

Linalool

< 5 % nichtionische Tenside

4. First aid measures

General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

Following inhalation:

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration. Seek medical advice.

After skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

Following eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

after ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Consult physician immediately. Keep victim calm. Do not induce vomiting.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Article no.: 024-000-00755 Hydro-Cleaner
Date of print: 26.05.2010 Revision date: 11.05.2010

EN
page:2/5

5. Fire fighting measures

Suitable extinguishing media:

alcohol resistant foam, Carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

High power water jet

Special exposure hazards arising from the substance itself, combustion products, resulting gases:

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

Special protective equipment for fire-fighters:

Provide a conveniently located respiratory protective device.

Additional information:

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Ventilate affected area. Do not inhale vapours. See protective measures under point 7 and 8.

Environmental precautions

Do not empty into drains or the aquatic environment. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

methods for cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

7. Handling and storage

Handling

Information for safe handling:

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use material in places where open light, fire and other sources of ignition can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Ensure the grounding of containers, apparatus, pumps and suction equipment. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eye and clothing. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid breathing swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air and will spread at floor level. Vapours form explosive mixtures with air.

Storage

Requirements for storerooms and containers:

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Information about storage in one common storage facility:

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information concerning storage conditions:

Take care of instructions on label. Only use containers approved for especially this product. Store in a well-ventilated and dry room at temperatures between 15° and 30°C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

8. Exposure controls / Personal protection equipment

Technical measures to prevent exposure

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Components with workplace or biological limit values to be monitored:

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Article no.: 024-000-00755 Hydro-Cleaner
Date of print: 26.05.2010 Revision date: 11.05.2010

EN
page:3/5

EC-no.:	description:	type:	Value		unit
			STEL (EC)	TWA (EC)	
200-661-7	propan-2-ol		1250	999	mg/m3
67-63-0			500	400	ppm

Additional information

Stated values are taken from the then applicable German TRGS 900 oder the German VCI table for exposure limit values.

TWA (EC): Occupational exposure limit value

STEL (EC): Short term occupational exposure limit value

Occupational exposure controls:

Respiratory protection:

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Only use breathing apparatus with CE-label including the four-digit identification number.

Hand protection:

For prolonged or repeated handling the following glove material must be used: Nitrilkautschuk Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin.

Recommended protective gloves brand: DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection:

Wear closely fitting protective glasses in case of splashes.

Skin protection:

Wear antistatic clothing of natural fibers (.i.e. cotton) or heat resistant synthetic fibers.

Preventive measures:

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

9. Physical and chemical properties

Appearance:

State of matter: liquid

Paint: as labeled

Odour: characteristic

Safety relevant basis data

Flash point: 150 °C

Ignition temperature (AIT): 165 °C

lower explosion limit: 2,0 Vol-%

Upper explosion level: 12,0 Vol-%

Vapour pressure (at temperature in °C): 20 21,51 mbar

density (at temperature in °C): 20 0,96 g/cm³

Solubility in water (g/l):

pH (at temperature in °C): -

Viscosity (at temperature in °C): 20 12 s 4 mm DIN 53211

Solvent separation test (%): < 3 %

Solid content (%): 3 % by weight

solvent content:

organic solvents: 25 % by weight

Water: 72 % by weight

10. Stability and reactivity

Conditions to avoid:

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

Materials to avoid:

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

Hazardous decomposition products:

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

11. Toxicological information

Practical experience

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Article no.: 024-000-00755 Hydro-Cleaner
Date of print: 26.05.2010 Revision date: 11.05.2010

EN
page:4/5

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Summarized evaluation of the CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

12. Ecological information

Type judging:

There is no information available on the preparation itself.
Do not empty into drains or the aquatic environment.

Results of PBT assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

13. Disposal considerations

Appropriate disposal/Product:

Recommendation:

Do not empty into drains or the aquatic environment. This material and its container must be disposed of in a safe way. Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

Control report for waste code/ waste marking according to EAKV:

080112 waste paint and varnish other than those mentioned in 080111

Contaminated packaging:

Recommendation:

Cleaned containers may be recycled. Vessels not properly emptied are special waste.

14. Transport information

Transport according to ADR/RID, IMDG and ICAO/IATA.

Overland transport (ADR/RID)

Class: not to apply

UN No.:

Official directive for the transport:

Packing Group:

Tunnel restriction code: -

Transport by sea (IMDG)

Class:

EmS-No.:

UN No.:

Official directive for the transport:

Packing Group:

Air transport (ICAO-TI / IATA-DGR)

Class:

15. Regulatory information

EU-Regulations

Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

Labelling (67/548/EEC or 1999/45/EC)

Danger symbol(s) and danger term(s) for dangerous materials and preparations:

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Article no.: 024-000-00755 Hydro-Cleaner
Date of print: 26.05.2010 Revision date: 11.05.2010

EN
page:5/5

Contains:

R phrases:

S phrases:

Special labelling of particular preparations:

Other regulations (EU):

Data concerning the Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)

VOC-value (in g/l) ISO 11890-2: 0

VOC-value (in g/l) ASTM D 2369: 0

National regulations

Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe employment restrictions under the law for the protection of young people at work (94/33/EC).

Substance/Preparation is listed in the following national inventories:

Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA)

16. Additional information

Wording of the r-phrases under paragraph 3:

11	Highly flammable
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.
22	Harmful if swallowed.
41	Risk of serious damage to eyes.

Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

Annex

At present, data / information on exposure scenarios are not available, so that an evaluation of the preparation cannot yet be made.