



DIPWAX LIQUID CHAIN WAX

1. IDENTIFICATION

Material: Liquid wax dispersion (cycle chain lubricant)

Supplier: Hagen Automation Ltd

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2. HAZARDS IDENTIFICATION

2.1 Classification:

This product is not considered to be hazardous in the application in which it is intended and does not contain any hazardous components according to CLP Regulation 1272/2008/EC.

2.2 Label Elements, Signal Words, Hazard Pictograms, Precautionary Statements: NA

Additional Information: Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3.1), 1,2-benzisothiazol-3 (2H)-one. May produce and allergic reaction.

2.3 Other Hazards: The mixture does not contain any vPvB or PBT substances

3. COMPOSITION

Mixture: Wax Emulsion

Dangerous Components:

CAS: 64742-55-8 EINECS 265-158-7 Reg.nr 01-2119487077-29	Distillates (petroleum), hydro-treated light paraffinic Asp. Tox. 11 H304	5-<10%
CAS: 68920-66-1 Polymer	Alcohols, C16 – C18, ethoxylated Eye Irrit. 2, H319	3-5<5%

NB. For the wording of listed hazard phrases please refer to section 16

4. FIRST AID MEASURES

Eye: Flush victim's eyes with water for 15 minutes, while holding the eyelids apart. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation persists.

Skin: None normally required. For excessive unintentional exposures, wash skin with soap and water.

Inhalation: Remove to fresh air. Get medical attention if irritation or symptoms occur.

Ingestion: If small quantities are swallowed, rinse out mouth with water. Do not induce vomiting unless directed to by a doctor or physician. Get medical attention for large ingestions.

Specific Treatment: First Aider, decontamination, treatment of symptoms.

Notes to doctor: Treat symptomatically

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Foam, dry chemical, carbon dioxide, water mist.

5.2 Special hazards arising from the substance or mixture: Slight flammability hazard when exposed to heat or flames. During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.

5.3 Advice for firefighters: Only suitably trained personnel should attempt to tackle fires. Do not stay in the danger zone without respiratory protective equipment and PPE

NB. Product contains water and is non combustible

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Protective Equipment and Emergency Procedures:

Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Keep unnecessary personnel away. Spilt product maybe slippery!

6.2 Environmental Precautions: Do not flush into surface water or sanitary sewer system. Notify local authorities if product enters sewers or public waters.

6.3 Methods and Material for Containment and Cleaning up: Stop spill at source if safe to do so. Contain spill and remove into a suitable container or absorb with an inert absorbent and place in a suitable container.

6.4 Reference to Other Sections: Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal Information

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling: No special precautions are necessary in normal use. Keep away from heat, sparks and open flame. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Wear appropriate personal protective equipment as specified in Section 8. Observe good industrial hygiene practices.

7.2 Conditions for Safe Storage: Including Any Incompatibilities: Store in a cool, dry, well-ventilated area. Keep away from frost. Keep container tightly closed. Store away from oxidizing agents and other incompatible materials. Store in containers made of stainless steel, HDPE, PET, or glass.

7.3 Specific End Use(s): Various uses including as lubricant wax and hydrophobiser

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Ingredients with limit values that require monitoring at the workplace:

CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic ACGIH - TWA Long-term value: 5 mg/m ³ mineral oil mist
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Product as supplied should not cause concern however in all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices.

DNEL Values: - No Data Available

8.2 Exposure Controls:

Appropriate engineering measures: Facilities storing or utilising this material should be equipped with an eyewash facility.

Respiratory protection: Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.

Eye protection: Wear appropriate eye goggles.

Skin protection: No special precautions are needed beyond clean working conditions and safe handling practices. Protective work clothing advised. Change heavily contaminated clothing.

Hand protection: Use impervious gloves [conforming to EN374] PVC is suitable for casual contact. If direct contact for more than 2 hours then use Neoprene or nitrile gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fluid, yellow-brown

Odour: Characteristic

Odour threshold: Not determined

pH: approx 9

Melting point/ Congealing point: Not possible to determine

Boiling point/ range: Initial boiling point 100 °C

Flash Point: > 100 °C, (DIN EN ISO 2719)

Evaporation Point: Not determined

Flammability (solid, gas): Not applicable

Explosion Limits: Not determined

Vapour pressure: Negligible

Vapour density: Not determined

Relative density (at 15°C): 0.95g/cm³

Solubility in water: Not miscible or difficult to mix

Solubility in other solvents: Not determined

Partition coefficient n-octanol/water: Not determined

Auto-ignition temperature: >230 °C.

Decomposition temperature: Not determined

Viscosity (Kinematic, at 100°C): Not determined

Explosive properties: Not determined

Oxidizing properties: Not determined

Solvent Content: Water approx 60%

10. STABILITY AND REACTIVITY

10.1 Reactivity: This product is not reactive under normal storage and handling conditions.

10.2 Chemical stability: Under normal storage and handling conditions, this product is stable.

10.3 Possibility of hazardous reactions: No specific hazardous reactions are expected.

10.4 Conditions to avoid: Extremes of temperature (preferably, store between 5 & 39 °C).

10.5 Incompatible materials: None known.

10.6 Hazardous decomposition products: None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute Toxicity: Based on available data, the classification criteria are not met.

LD LC50 values relevant for classification

CAS 64742-55-8 Hydrotreated light paraffinic petroleum distillates

According to Regulation

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(EC) No 1907/2006 (REACH)

CAS 68920-66-1 Ethoxylated alcohols C16-C18

Acute Toxicity (oral) LD50 >5000mg/kg

Acute Toxicity (dermal) LD50 >5000mg/kg bw

Acute Toxicity (inhalation) No data available

Skin Corrosive / Irritation: Material is unlikely to cause irritation**Serious Eye Damage Irritation:** Based on available data the classification criteria is not met**Respiratory Sensitisation:** Based on available data the classification criteria is not met**Skin Sensitisation:** Based on available data the classification criteria is not met**Repeated Dose Toxicity:** Based on available data the classification criteria is not met**Mutagenicity:** Based on available data the classification criteria is not met**Carcinogenicity:** Based on available data the classification criteria is not met**Reproductive Toxicity:** Based on available data the classification criteria is not met**STOT- single exposure:** Based on available data the classification criteria is not met**STOT repeated exposure:** Based on available data the classification criteria is not met**Aspiration Hazard:** Based on available data the classification criteria is not met

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Aquatic toxicity of component

CAS: 68920-66-1 alcohols C16-C18 ethoxylated

EC50 >100mg/l (daphnia) (48h)

LC50 >10-100mg/l (fish) (96h)

Environmental Fate: Not established**Mobility:** Data not available**Biodegradation:** Data not available**Bioaccumulation potential:** There is no indication that this material is a risk to the environment.**Other Ecological information:** No other adverse effects are observed. Do not allow uncontrolled leakage of product into the environment.

Water Hazard Class 2 (German Regulation) (Self Assessment): hazardous for water - Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment: This substance does not fulfil the criteria for being classed as a PBT or vPvB substance. According to Annex XIV of regulation (EC) No.1907/2006

13. DISPOSAL INFORMATION

Recommendation: Smaller quantities can be disposed of with household waste.**General:** Dispose of in a safe manner in accordance with local/national regulations**Disposal method:** In accordance with local/national regulations may be taken to waste disposal site.**Disposal of used packaging:** Use a licensed waste disposal contractor.

(EU Directives 2000/76/EC and 1999/31EC apply). European Waste Catalogue No. 050199/130899

14. TRANSPORT INFORMATION

Transport: Not classified as hazardous for transport.**14.1 UN number:** Not Classified.**14.2 UN Proper shipping name:** Not Classified**14.3 Transport Hazard Class(es):** Not Classified**14.4 Packing Group:** Not Classified**14.5 Environmental Hazards:** None**14.6 Special Precautions for user:** None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not Classified

15. REGULATORY INFORMATION

EC Classification: The material is not dangerous for transport or supply.

Risk Phrases: None

Safety Phrases: None

16. OTHER INFORMATION

References:

- * European agreement concerning the international carriage of dangerous goods by road (ADR) volumes I & II 1999
- * Commission Directive 93/112/EC of 10/12/93, (O.J. No. 314 of 16/12/93 pg 38)
- * Council Directive 67/548/EEC and all appropriate A.T.P'S

IMPORTANT NOTE:

1. Before any product is used the label should be carefully read and current safety literature and information consulted.
2. The product information in this Data Sheet is to the best of Hagen Automation's knowledge correct as at the date of publication. User should contact Hagen Automation for updated advice and in any event satisfy themselves that the product is entirely suitable for their purpose.

Relevant phrases

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

Abbreviations and acronyms:

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

PNEC Predicted No Effect Level

DNEL Derived No Effect Level

LD50 Median Lethal Dose

LC50 Median Lethal Concentration 50 percent

CLP Classification Labelling and Packaging Regulation

ES Exposure Scenario

EC European Commission

EC No European Chemical Number – EINECS - ELINCS

ECHA European Chemical Agency

OECD Organisation for Economic Cooperation and Development

DSD Dangerous Substances Directive.

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Classification methods used to derive classification of mixture

Classification according to calculation procedure detailed in EC1272/2008