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## MATERIAL SAFETY DATASHEET MULAX THREAD SEALANT HYDRAULIC

### 1. Identification of Substance/Preparation and Company

**Product name:** MULAX THREAD SEALANT HYDRAULIC  
**Product Code:** MUL12748  
**Company:** Riga 3, 2993 LW, Barendrecht, The Netherlands  
**For Information:** Call +31 (0)180-641777 (9am to 5am)  
**In an Emergency:** As Above

### 2. Hazards Identification

#### Classification of the substance or mixture

Indications of danger: Xi - Irritant

R phrases:

Irritating to eyes and respiratory system.

May cause sensitisation by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

GHS classification

Hazard categories:

Serious eye damage/eye irritation:

Eye Irrit. 2

Respiratory/skin sensitization:

Skin Sens. 1

Specific target organ toxicity - single exposure:

STOT SE 3

Hazardous to the aquatic environment:

Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

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

#### Labels

Hazardous components which must be listed on the label

Polyglycol dimethacrylate

dodecyl methacrylate

tetradecyl methacrylate

#### Pictograms:



Signal word:

Warning

Hazard Statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects

Precautionary Statements:

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P312 Call a POISON CENTER/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container to in accordance with official regulations.

#### Other Hazards

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No information available.

### 3. Composition/ Information on Ingredients

**Mixtures:** Contains the following hazardous components above thresholds of concern:

Hazardous Components	Cas Number	%	Classification according to Regulation (EC) No 1272/2008	Classification according to Directive 67/548/EEC
Polyglycol dimethacrylate	25852-47-5	40 - < 45 %	Skin Sens. 1, Aquatic Chronic 3; H317 H412	R43-52-53
dodecyl methacrylate	142-90-5	10 - < 15 %	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H319 H335 H315 H400 H410	Xi - Irritant, N - Dangerous for the environment R36/37/38-50-53
tetradecyl methacrylate	2549-53-3	5 - < 10 %	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317	Xi - Irritant R36/38-43
2' Phenylacetohydrazide	114-83-0	< 1 %	Acute Tox. 3, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H301 H319 H335 H315 H317	T - Toxic, Xi - Irritant R25-36/37/38-43

See section 16 for full description of R phrases and H statements.

#### Further Information

Product does not contain listed SVHC substances

### 4. First Aid Measures

#### Description of first aid measures:

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

**Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist t.

**Skin:** After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

**Ingestion:** Do not induce vomiting. Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. Call a POISON CENTER or doctor/physician.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of irritation of the respiratory tract seek medical advice.

#### Most important symptoms and effects, both acute and delayed

No information available.

#### Indication of any immediate medical attention and special treatments needed

Treat symptomatically.

### 5. Fire Fighting Measures

**Extinguishing Media:** Dry extinguishing powder. Foam. Water spray. Carbon dioxide (CO<sub>2</sub>). Do not use a high power water jet

**Special hazards:** Hazardous combustion products; In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

**Advise for firefighters:** Wear a self-contained breathing apparatus and chemical resistant suit. In case of fire and/or explosion do not breathe fumes.

**Other information** Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray/stream to protect personnel and to cool endangered containers.

### 6. Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/vapour/spray. Avoid contact with skin, eye and clothing. Wear personal protection equipment. (refer to section 8).

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### Environmental precautions

Do not empty into drains or the aquatic environment. Prevent spreading over great surfaces (e.g. by damming or installing oil booms). In case of leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

### Methods and materials for containment and clearing up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area. Treat the assimilated material according to the section on waste disposal. Clear contaminated area thoroughly.

### References to other sections

See protective measures under section 7 and 8.

## 7. Handling and Storage

### Precautions for safe handling

#### Advise on safe handling

Provide adequate ventilation. Wear suitable protective clothing. ( Refer to chapter 8. ).

#### Advise on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

Do not breathe gas/vapour/spray. Avoid contact with skin, eye and clothing. General protection and hygiene measures: refer to section 8.

#### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep container dry.

#### Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances

#### Further information on storage conditions

Protect against light, uv-radiation/sunlight, heat, cooling, moisture.

#### Specific end uses(s)

No information available.

## 8. Exposure Controls/ Personal Protection

Additional advice on limit values

To date, no national limit values exist.

### Engineering controls:

In case of open handling, use devices with built-in suction where possible. If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.

### Respiratory:

Respiratory protection required in case of:  
insufficient ventilation.

Generation/formation of aerosols

Generation/formation of mist

Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

Type : A / P2/P3. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

### Hand protection:

Pull-over gloves of rubber. DIN EN 374

Suitable material:

(Breakthrough time  $\geq$  480 min, penetration time (maximum wearing period): 160 min)

CR (polychloroprenes, Chloroprene rubber). (0,5 mm)

FKM (fluororubber). (0,4 mm)

Butyl rubber. (0,5 mm)

Before using check leak tightness / impermeability. In case of reutilization, clean gloves before taking off and store in well-aired place. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

### Eye protection:

Suitable eye protection: Tightly sealed safety glasses. DIN EN 166.

### Skin protection:

Suitable protection of the body: lab apron

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**Hygiene measures:** Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Remove contaminated clothing immediately and dispose off safely. Wash contaminated clothing prior to re-use. Used working clothes should not be used outside the work area. Street clothing should be stored separately from work clothing.

**Environmental exposure controls:** Do not empty into drains or aquatic environment

### 9. PHYSICAL/ CHEMICAL PROPERTIES

Information on basic physical and chemical properties

**Appearance:** Brown liquid  
**Odour:** Characteristic  
**pH-Value:** not determined  
**Melting point:** not determined  
**Initial boiling point and range:** not determined  
**Flash point:** not determined  
**Lower explosion limits:** not determined  
**Upper explosion limits:** not determined  
**Vapour pressure:** not determined  
**Density:** not determined  
**Viscosity / dynamic:** not determined

### 10. Stability and Reactivity

**Reactivity:** No information available  
**Chemical stability:** Stable under normal storage and handling conditions.  
**Possibility of hazardous reactions:** No information available  
**Conditions to avoid:** Protect against: Light. UV-radiation/sunlight. heat. cooling. moisture.  
**Incompatible materials:** Materials to avoid: Strong acid. Oxidizing agents, strong. Alkalis (alkalis), concentrated.  
**Hazardous decomposition products:** Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**  
**Toxicokinetics, metabolism and distribution**  
No information available.  
**Acute toxicity**  
Based on available data, the classification criteria are not met.

Chemical name	Cas No	Exposure route	Method	Dose	Species	Source
2'-Phenylacetohydrazide	114-83-0	Oral	LD50	270 mg/kg	Mouse	

**Irritation and corrosivity**  
Causes skin irritation  
Causes serious eye irritation.

**Sensitising effects**  
May cause an allergic skin reaction. (Polyglycol dimethacrylate), (2'-Phenylacetohydrazide), (tetradecyl methacrylate)  
Respiratory or skin sensitisation:  
People who suffer from skins problems, asthma, allergies, chronic or recurring respiratory illnesses must not be deployed in processes, which use this substance.

**STOT-single exposure**  
May cause respiratory irritation. (2'-Phenylacetohydrazide)

**Severe effects after repeated or prolonged exposure**  
Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

### Aspiration hazard

Based on available data, the classification criteria are not met

### Specific effects in experiment on an animal

No information available

## 12. ECOLOGICAL INFORMATION

### Toxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

CAS NO	Chemical name	log pow
142-90-05	dodecyl methacrylate	6,68
2549-53-3	tetradecyl methacrylate	7,66

### Mobility in soil

No data available

### Results of PBT and vPvB assessment

No data available.

### Other adverse effects

No data available.

### Further information

Do not empty into drains or the aquatic environment

## 13. Disposal Considerations

### Advice on disposal

Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal. Cleaned containers may be recycled.

### Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

### Waste disposal number of used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

### Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances  
Classified as hazardous waste.

### Contaminated packaging

Handle contaminated packaging in the same way as the substance itself..

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### 14. Transport Information

	ADR	IMDG	ICAO
14.1 UN number	3082	3082	3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dodecyl methacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dodecyl methacrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dodecyl methacrylate)
14.3 Transport hazard classes	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	EHS	EHS	EHS
14.6 Special precautions for user	See section 6 en 8	EmS F-A, S-F	See section 6 en 8
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable	Not applicable	Not applicable

### 15. Regulatory Information

#### EU regulatory information

1999/13/EC (VOC):

No information available. VOC Directive 2004/42/EC: No information available

#### Additional information

The preparation is dangerous in the sense of Directive 1999/45/EC.

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

Regulation 96/82/EC for danger control following severe accidents with dangerous substances: Appendix I, Part 2, No 9ii, siehe StörfallVO (Seveso II).

REACH 1907/2006 Appendix XVII, No 3

#### National regulatory information

Employment restrictions:

Observe employment restrictions for young people.

Water contaminating class (D):

2 - water contaminating

#### Chemical Safety Assessment

No chemical safety assessment has been carried out.

### 16. Other Information

#### Abbreviations and acronyms

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
NOAEL:	No observed adverse effect level

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### Full text of R phrases referred to under Sections 2 and 3

R25 Toxic if swallowed.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitization by skin contact.  
R50 Very toxic to aquatic organisms  
R51/53 Toxic to aquatic organisms.  
R52 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R53 May cause long-term adverse effects in the aquatic environment.

### Full text of H statements referred to under Sections 2 and 3

H301 Toxic if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

### Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.