

Trade Name: MATHY® - TA Automatikgetriebeöl-Additiv

Company / Supplier: MVG® Mathé-Schmierstofftechnik GmbH, Spiekerhof 15, D - 29614 Soltau

Telephone: +49 - 5191-16004, Date of issue: 18.07.2019 Replaces Data Sheet of: 15.04.2019

SECTION 3: Composition/information on ingredients

3.1 **Substances**

n.ap.

3.2 **Mixtures**

Chemical Characterisation:

Mixture mineral oil based

Dangerous Ingredients:

Material	Index - No.	EC - No.	REACH - No.	m% - range
CAS - No. Hazard Code(s) / H - phrases				
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7 (Carc. 1B; H350) L Asp. Tox. 1; H304	(649-467-00-8)	265-157-1	01-2119484627-25-xxxx	50 - 100%
Bis(nonylphenyl)amine 36878-20-3 Aquatic Chronic 4; H413	n.av.	253-249-4	01-2119488911-28-xxxx	1 - 3%
1-(tert-Dodecylthio)propan-2-ol 67124-09-8 Skin Sens. 1; H317 / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410	n.av.	266-582-5	01-2119953277-30-xxxx	1 - 3%
Diphenylamine 122-39-4 Acute Tox. 3; H331 / Acute Tox. 3; H311 / Acute Tox. 3; H301 / STOT RE 2; H373 / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410	612-026-00-5	204-539-4	01-2119488966-13-xxxx	0.1 - 1%
Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich 398141-87-2 Aquatic Chronic 2; H411	n.ap.	800-172-4	n.av.	1 - 2,5%
Acetamide, 2-hydroxy-, N,N-dicoco alkyl derivs. 866259-61-2 Skin Irrit. 2; H315 / Skin Sens. 1; H317	n.av.	692-127-9	n.av.	1 - 3%
1,2-Propanediol, 3-amino-, N,N-dicoco alkyl derivs. 897393-64-5 Skin Irrit. 2; H315 / Skin Sens. 1; H317 / Aquatic Chronic 3; H412	n.av.	n.av.	n.av.	0.1 - 1%
Benzene, polypropene derivatives, sulfonated, calcium salts n.av. Skin Sens. 1; H317 / Eye Irrit. 2; H319	n.av.	n.av.	01-2119971580-35-xxxx	0,1 - 1%
2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol 95-38-5 Acute Tox. 4; H302 / Skin Corr. 1; H314 / STOT RE 2; H373 (Intestinaltrakt und Thymus) / Aquatic Acute 1; H400 M=10 / Aquatic Chronic 1; H410 M=10	n.av.	202-414-9	01-2119777867-13-xxxx	0.1 - 1%
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol 1218787-32-6 Acute Tox. 4; H302 / Skin Corr. 1C; H314 / Aquatic Acute 1; H400 / Aquatic Chronic 1; H410	n.ap.	620-540-6	01-2119510877-33-xxxx	0.1 - 1%
C14-18 alpha-olefin epoxide, reaction products with boric acid 1471314-23-4 Skin Sens.1; H317	n.ap.	939-580-3	01-2119976364-28-xxxx	0.1 - 1%

*

Text of H - phrases: see section 16

m% - range: x - y ≙ x ≥ - < y

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SECTION 4: First aid measures**4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

4.1.2 Skin Contact:

Wash off with warm water and soap. In the case of skin irritation or allergic reactions see a physician.

Remove and wash contaminated clothing before re-use.

4.1.3 Eye Contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

4.1.4 Ingestion:

Do not induce vomiting. Rinse mouth. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Risk of product entering the lungs on vomiting after ingestion.

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO₂, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

High volume water jet.

5.2 Special hazards arising from the substance or mixtureIn the event of fire the following can be released: Carbon oxides nitrogen oxides (NO_x), hazardous decomposition products due to incomplete combustion, sulphur oxides.**5.3 Advice for firefighters****5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

In the event of fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

See chapter 8.2.2

Contaminated surfaces will be extremely slippery.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

Do not allow material to contaminate ground water system.

Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Prevent spreading over a wide area (e.g. by containment or oil barriers).

Soak up with oil absorbent material. Shovel into suitable container for disposal.

6.4 Reference to other sections

None.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Precautions for Safe Handling:

Avoid contact with skin and eyes.
 Remove and wash contaminated clothing before re-use.
 When using, do not eat, drink or smoke.
 Wash hands before breaks and at the end of workday.
 Do not breathe vapours or spray mist.

7.1.2 Precautions in Case of Fire and Explosion:

Keep away from naked flames, hot surfaces and sources of ignition. Do not smoke.
 Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Storage Instructions:

Keep containers tightly closed in a dry, cool and well-ventilated place.
 Store in original container. Keep away from heat. Keep away from direct sunlight.

7.2.2 Store away from:

Do not store together with oxidizing agents.

7.2.3 Further Information on Storage Conditions:

Avoid subsoil penetration.

7.3 Specific end use(s)

n.av.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Material

Distillates (petroleum), hydrotreated heavy paraffinic
 2-(2-Heptadec-8-enyl-2-imidazolin-1-yl)ethanol

Limit Value

5 mg / m³
 0,05 mg/m³

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide appropriate exhaust ventilation at machinery.

8.2.2 Individual protection measures

8.2.2a Respiratory Protection: Breathing apparatus needed only when aerosol or mist is formed.
 Respirator with filter A.

8.2.2b Hand Protection: Protective gloves complying with EN 374.
 Nitrile rubber (0,45 mm) break through time > 8 h
 The data about break through time/strength of material are standard values!
 The exact break through time/strength of material has to be obtained from the producer of the protective glove.
 Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

8.2.2c Eye Protection: In case of contact through splashing: safety glasses

8.2.2d Skin Protection: Long sleeved clothing

8.2.2e Further Information: Observe wearing time limits:

8.2.3 Environmental exposure controls:

Do not allow material to contaminate ground water system.
 Do not flush into surface water or sanitary sewer system.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: liquid	Colour: red	Odour: characteristic
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	n.ap.	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	n.av., Melting point / Melting range (°C): n.ap.	
9.1.4	Flash point (°C):	210, closed cup	
9.1.5	Flammability:	n.av.	
9.1.6	Ignition temperature (°C):	n.av.	
9.1.7	Autoflammability:	None.	
9.1.8	Oxidising properties:	None.	
9.1.9	Explosion hazard:	None.	
9.1.10	Explosion limits (Vol.%) lower:	0,9, upper: 7	
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.av.	
9.1.12	Density (g/ml):	0,855	
9.1.13	Solubility (in Water):	immiscible	
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	55,5 mm ² / s (40°C)	
9.1.16	Solvent content (m %):	n.ap.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity	No information available.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4	Conditions to avoid	Keep away from naked flames, hot surfaces and sources of ignition.
10.5	Incompatible materials	Incompatible with oxidizing agents.
10.6	Hazardous decomposition products	No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Health Effects:

Inhalation:	n.av.
Ingestion:	n.av.
Skin Contact:	n.av.
Skin corrosion / irritation:	Slight
Serious eye damage / irritation:	Slight
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	n.av.
Carcinogenicity:	n.av.
Reproductive toxicity:	n.av.
STOT-single exposure:	n.av.
STOT-repeated exposure:	n.av.
Aspiration hazard:	n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information

12.1 Toxicity

We have no quantitative data concerning the ecological effects of this product.

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

12.2 Persistence and degradability

No data is available on the product itself.

12.3 Bioaccumulative potential

n.av.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

n.av.

12.6 Other adverse effects

12.6.1 COD-Value, mg/g:	n.av.
12.6.2 BOD5-Value, mg/g:	n.av.
12.6.3 AOX-Remarks:	Not applicable.
12.6.4 Significant Components:	1-(tert-Dodecylthio)propan-2-ol
12.6.5 Other adverse effects:	Not applicable.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Recommendation: Waste - Code - No.: 07 07 04
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling: As described under Residues.

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SECTION 14: Transport information

	ADR	IMDG	IATA
*	Not a dangerous substance as defined in the above regulations.		
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

SECTION 15: Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture n.av.
15.2	Chemical safety assessment : n.ap.

SECTION 16: Other information

Text of H phrases mentioned in Section 3

H301: Toxic if swallowed.
 H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H311: Toxic in contact with skin.
 H314: Causes severe skin burns and eye damage.
 H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H319: Causes serious eye irritation.
 H331: Toxic if inhaled.
 H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
 H400: Very toxic to aquatic life.
 H410: Very toxic to aquatic life with long lasting effects.
 H411: Toxic to aquatic life with long lasting effects.
 H412: Harmful to aquatic life with long lasting effects.
 H413: May cause long lasting harmful effects to aquatic life.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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