



Eni Rotra HY DB synth 75W-90

Material number 1232

Revision date: 20.3.2024
Version: 19.0
Replaces version: 18.0
Language: en-DE
Date of print: 2.4.2024

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Eni Rotra HY DB synth 75W-90

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Lubricating agent

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: 97080 Würzburg

Germany

E-mail: info.wuerzburg@enilive.com

Telephone: +49 (0)931-90098-0

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Department responsible for information:

Application Engineering & Product Management (AEPM)

Telephone: +49 (0)931-90098-0

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1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Hazard statements: H411 Toxic to aquatic life with long lasting effects.

Precautionary statements: P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container to hazardous or special waste collection point.



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Special labelling

EUH208

Contains Amines, C10-C14-tert-alkyl and 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-. May produce an allergic reaction.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% (w/w) or higher.

CAS No.	Designation	PBT/vPvB	ED Human	ED Environment
255881-94-8	S-(Tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (SVHC)	PBT		

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: A mixture of hydrocarbons and additives.



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Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-0000015167-71-xxxx EC No. 401-850-9 CAS 255881-94-8	S-(Tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (SVHC) Repr. 2; H361fd. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 1. Aquatic Chronic 1: M = 10.	< 1 %
REACH 01-2119456798-18-xxxx list no. 701-175-2	Amines, C10-C14-tert-alkyl Acute Tox. 4; H302. Acute Tox. 3; H311. Acute Tox. 2; H330. Skin Corr. 1B; H314. Eye Dam. 1; H318. Skin Sens. 1A; H317. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	< 1 %
REACH 01-2119491299-23-xxxx EC No. 270-128-1 CAS 68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene Repr. 2; H361f. Aquatic Chronic 3; H412.	< 1 %
REACH 01-2120761104-64-xxxx list no. 813-543-0 CAS 73984-93-7	1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylthio)- Skin Sens. 1B; H317. Aquatic Chronic 3; H412.	< 1 %
REACH 01-2119510876-35-xxxx EC No. 246-807-3 CAS 25307-17-9	2,2'-(Octadec-9-enylimino)bisethanol Acute Tox. 4; H302. Skin Corr. 1B; H314. Eye Dam. 1; H318. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 1.	< 0,1 %

Full text of H- and EUH-statements: see section 16.

Additional information: Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: S-(Tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (PBT (Article 57d))

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	Take off contaminated clothing and wash it before reuse.
In case of inhalation:	Remove the casualty into fresh air and keep them calm. In the event of discomfort seek medical treatment.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
After swallowing:	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.



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4.2 Most important symptoms and effects, both acute and delayed

May cause allergic reactions in already sensitized persons.
Direct contact may cause skin and eyes reddening and irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet.

5.2 Special hazards arising from the substance or mixture

Combustible.

May form dangerous gases and vapours in case of fire.

Furthermore, there may develop: Phosphorus oxides, sulphur oxides, nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

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

Additional information:

Cool endangered containers with water jetspray. Move undamaged containers from immediate hazard area if it can be done safely.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid oil mist formation. Provide adequate ventilation. Eliminate all ignition sources if safe to do so. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

Never return spills in original containers for re-use.

Clean contaminated articles and floor according to the environmental legislation.

Additional information:

Special danger of slipping by leaking/spilling product.



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6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid oil mist formation. Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Don't put cleaning rags fouled by oil into trousers pockets.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take action to prevent static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place.
Store only in original container.
Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
Protect from heat and direct sunlight.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
Do not store together with: Strong oxidizing agents, strong acids, strong bases.

Storage class:

10 = Combustible liquids, unless storage class 3

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.
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, self-contained breathing apparatus must be used.



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Hand protection:	Protective gloves according to DIN EN 374. Glove material: Nitrile rubber Layer thickness: $\geq 0,38$ mm Breakthrough time: ≥ 480 min Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to DIN EN ISO 16321-1:2022.
Body protection:	Wear suitable protective clothing.
General protection and hygiene measures:	Do not breathe mist/vapours/spray. Avoid oil mist formation. Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes, and clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Don't put cleaning rags fouled by oil into trousers pockets.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid
Colour:	yellow
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	Not determined
Flammability:	No data available
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): Not applicable UEL (Upper Explosive Limit): Not applicable
Flash point/flash point range:	223 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 96,5 mm ² /s (DIN 51562-1)
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	Not applicable
Vapour pressure:	Not applicable
Density:	at 15 °C: 0,84 g/mL (DIN 51757)
Vapour density:	Not applicable
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	Not applicable



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SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents, strong acids, strong bases.

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

ATEmix (calculated): 47.809 mg/kg

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

ATEmix (calculated): 226,67 mg/L

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Specific symptoms in animal studies: Not sensitising.

Contains Amines, C10-C14-tert-alkyl and 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylthio)-. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

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

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

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

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

11.2 Information on other hazards

Endocrine disrupting properties:

None.

Other information:

Information about S-(Tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate:

LD50, Rat, oral: > 5.000 mg/kg (OECD 420)

LD50, Rabbit, dermal: > 2.000 mg/kg (OECD 434)

Information about Amines, C10-C14-tert-alkyl:

LD50, Rat, oral: 612 mg/kg (OECD 401)

LD50, Rat, dermal: 251 mg/kg (OECD 402)

LC50, Rat, inhalative (vapour): 157 ppm (OECD 403)

Information about Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:

LD50, Rat, oral: > 5.000 mg/kg (OECD 401)

Information about 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylthio)-:

LD50, Rat, oral: 6.176 mg/kg (OECD 401)

Information about 2,2'-(Octadec-9-enylimino)bisethanol:

LD50, Rat, oral: 1.260 mg/kg (OECD 401)



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Symptoms

Direct contact may cause skin and eyes reddening and irritation.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

Information about S-(Tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate:

Fish toxicity:

LC50 (Oncorhynchus mykiss): 2.531 mg/L/96h (OECD 203)

Daphnia toxicity:

EC50 (Daphnia magna (Big water flea)): > 0,13 mg/L/48h (OECD 202)

Algae toxicity

EC50 (Desmodesmus subspicatus (green algae)): > 0,4 mg/L/72h (OECD 201)

Information about Amines, C10-C14-tert-alkyl:

Fish toxicity:

LC50 (Oncorhynchus mykiss): 1,3 mg/L/96h (ECD 203)

Daphnia toxicity:

EC50 (Daphnia magna (Big water flea)): 2,5 mg/L/48h

Algae toxicity

EC50 (Pseudokirchneriella subcapitata (green algae)): 0,44 mg/L/72h (OECD 201)

Information about Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:

LC50 (Danio rerio (zebrafish)): > 100 mg/L/96h (OECD 203)

Daphnia toxicity:

EC50 (Daphnia magna (Big water flea)): 51 mg/L/48h (OECD 202)

Algae toxicity

EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/L/72h (OECD 201)

Information about 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylthio)-:

Fish toxicity:

LL50 (Pimephales promelas (fathead minnow)): > 1.000 mg/L/96h (OECD 203)

Daphnia toxicity:

EL50 (Daphnia magna (Big water flea)): 41 mg/L/48h (OECD 202)

Algae toxicity

EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/L/72h (OECD 201)

Information about 2,2'-(Octadec-9-enylimino)bisethanol:

Fish toxicity:

LC50 (Danio rerio (zebrafish)): 0,1 mg/L/96h (OECD 203)

Daphnia toxicity:

EC50 (Daphnia magna (Big water flea)): 0,043 mg/L/48h (OECD 202)

Algae toxicity

EC50 (Pseudokirchneriella subcapitata (green algae)): 53,8 µg/L/72h (OECD 201)

Water Hazard Class:

2 = obviously hazardous to water (Self-classification (mixture).)



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12.2 Persistence and degradability

Further details:

Information about Amines, C10-C14-tert-alkyl:

Biodegradation: 21,8 %/28 d (OECD 301D). Not easily bio-degradable.

Information about Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:

Biodegradation: 0 %/28 d (OECD 301B). Not easily bio-degradable.

Information about 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecylthio)-:

Biodegradation: 0 %/28 d (OECD 301C). Not easily bio-degradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

Not applicable

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

None.

12.7 Other adverse effects

General information:

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 13 02 06* = Synthetic engine, gear and lubricating oils
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Package

Recommendation: Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:

UN 3082

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14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:

UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(S-(Tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl)
O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate)

14.3 Transport hazard class(es)

ADR/RID, ADN: Class 9, Code: M6

IMDG: Class 9, Subrisk -

IATA-DGR: Class 9



14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:

III



14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: yes

Marine pollutant - ADN: yes

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 90, UN number UN 3082

Hazard label: 9

Special Provisions: 274 335 375 601

Limited quantities: 5 L

EQ: E1

Package - Instructions: P001 IBC03 LP01 R001

Package - Special Provisions: PP1

Special provisions for packing together: MP19

Portable tanks - Instructions: T4

Portable tanks - Special Provisions: TP1 TP29

Tank coding: LGBV

Tunnel restriction code: (-)

Inland waterway craft (ADN)

Hazard label: 9

Special Provisions: 274 335 375 601

Limited quantities: 5 L

EQ: E1

Transport permitted: T

Equipment necessary: PP



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Sea transport (IMDG)

EmS: F-A, S-F
Special Provisions: 274 335 969
Limited quantities: 5 L
Excepted quantities: E1
Package - Instructions: P001, LP01
Package - Provisions: PP1
IBC - Instructions: IBC03
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T4
Tank instructions - Provisions: TP2, TP29
Stowage and handling: Category A.
Properties and observations: -
Segregation group: none

Air transport (IATA)

Hazard label: Miscellaneous & Environmentally hazardous
Excepted Quantity Code: E1
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only: Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions: A97 A158 A197 A215
Emergency Response Guide-Code (ERG): 9L

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - Germany

Storage class: 10 = Combustible liquids, unless storage class 3
Water Hazard Class: 2 = obviously hazardous to water (Self-classification (mixture).)
Incident regulation: Richtlinie 2012/18/EU (Seveso III):
Umweltgefahren: Ziffer 1.3.2 = Code E2, Mengenschwelle 200 000kg / 500 000kg
Technical guidance air: 5.2.5
Further regulations, limitations and legal requirements:
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content



Hazard statements: EUH208 Contains Amines, C10-C14-tert-alkyl and 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-. May produce an allergic reaction.
Precautionary statements: not applicable



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Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive] refer to Germany, 12. BImSchV

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH:

S-(Tricyclo(5.2.1.02,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl)

O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (PBT).

Use restriction according to REACH annex XVII, no.: 3, 75

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.

H311 = Toxic in contact with skin.

H314 = Causes severe skin burns and eye damage.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H330 = Fatal if inhaled.

H361fd = Suspected of damaging fertility. Suspected of damaging the unborn child.

H361f = Suspected of damaging fertility.

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.

EUH208 = Contains Amines, C10-C14-tert-alkyl and 1,3,4-Thiadiazole-2(3H)-thione, 5-(tert-dodecyldithio)-. May produce an allergic reaction.

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet
General revision

Date of first version: 30.3.2022

Department issuing data sheet: see section 1: Department responsible for information



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Abbreviations and acronyms:

Acute Tox.: Acute toxicity
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EL50: Effective loading rate 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.: Reproductive toxicity
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
Skin Sens.: Skin sensitisation
SVHC: Substance of very high concern
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
<http://sumdat.net/amb26ne3>

