

SAFETY DATA SHEET

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

Revision date: 11-Aug-2015

Print date: 03-Sep-2015

Version: 1.0

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construction chemicals



EUROLASTIC TC 30 S grau Komponente A 100:20

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

1.1. Product identifier

Trade name/designation:

EUROLASTIC TC 30 S grau Komponente A 100:20

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

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

Uses advised against:

Sector of uses [SU]

SU 21: Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

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

Euroteam Bauchemie GmbH

An der Mühle 1
15345 Altlandsberg
Germany

Telephone: +49 (0) 33438 14790

Telefax: +49 (0) 33438 147929

E-mail: info@euroteam-bauchemie.de

Website: www.euroteam-bauchemie.de

E-mail (competent person): info@euroteam-bauchemie.de

1.4. Emergency telephone number

Labor, 24h: +49 (0) 162 2599220, Montag - Donnerstag 7:00 - 16:00; Freitag 7:00 - 13:00 +49 (0) 33438 1479 19 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Reproductive toxicity (<i>Lact.</i>)	H362: May cause harm to breast-fed children.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

Exclamation mark



GHS09

Environment

Signal word: Warning

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Hazard components for labelling:

Alkanes, C14-17, chloro; Phenol, methylstyrenated; 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane

hazard statements for health hazards

H317	May cause an allergic skin reaction.
H362	May cause harm to breast-fed children.

hazard statements for environmental hazards

H411	Toxic to aquatic life with long lasting effects.
------	--------------------------------------------------

Supplemental Hazard information (EU)

EUH208	Contains Phenol, methylstyrolisiert, Bisphenol-A-Epichlorhydrin Epoxidharze. May produce an allergic reaction.
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Precautionary statements Prevention

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 68611-50-7	LIQUID POLYSULFIDE POLYMER WITH THIOL END GROUPS (MW >1800) Aquatic Chronic 3 H412	23 - 40 Wt %
CAS No.: 85535-85-9 EC No.: 287-477-0	Alkanes, C14-17, chloro Lact., Aquatic Acute 1, Aquatic Chronic 1 Warning H362-H410-EUH066	8 - 15 Wt %
CAS No.: 27138-31-4 EC No.: 248-258-5	oxydipropyl dibenzoate Aquatic Chronic 3 H412	2 - 5 Wt %
CAS No.: 68512-30-1 EC No.: 270-966-8	Phenol, methylstyrenated Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 3 H315-H317-H412	1 - 3 Wt %
CAS No.: 25068-38-6 EC No.: 500-033-5	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2 Warning H315-H317-H319-H411	0 - 1 Wt %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention if you feel unwell.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

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After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed

Allergic reactions.

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:

Foam, Extinguishing powder, Carbon dioxide (CO₂), Water spray

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO₂), Nitrogen oxides (NO_x), carbon black, Carbon monoxide

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

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

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

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

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Do not breathe gas/fumes/vapour/spray.

Environmental precautions:

Do not allow to enter into soil/subsoil.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Packaging materials:

Suitable container/equipment material: Tin

Requirements for storage rooms and vessels:

Keep/Store only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

Storage class: 10 - Combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	Alkanes, C14-17, chloro CAS No.: 85535-85-9	① 0.3 ppm (6 mg/m ³) ② 2.4 ppm (48 mg/m ³) ⑤ (einatembare Fraktion)

8.1.2. biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Phenol, methylstyrenated CAS No.: 68512-30-1	57 mg/m ³	① DNEL worker ② DNEL acute inhalative (local)
Phenol, methylstyrenated CAS No.: 68512-30-1	16.4 mg/kg	① DNEL worker ② DNEL acute dermal, short-term (local)
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	12.3 g/m ³	① DNEL worker ② DNEL acute inhalative (systemic)
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	12.3 g/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	8.3 mg/kg	① DNEL worker ② DNEL acute dermal, short-term (systemic)

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Substance name	DNEL value	① DNEL type ② Exposure route
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	8.3 mg/kg	① DNEL worker ② DNEL long-term dermal (systemic)

Substance name	PNEC Value	① PNEC type
Phenol, methylstyrenated CAS No.: 68512-30-1	0.014 mg/l	① PNEC aquatic, freshwater
Phenol, methylstyrenated CAS No.: 68512-30-1	0.0014 mg/l	① PNEC aquatic, marine water
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	0.003 mg/l	① PNEC aquatic, freshwater

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection (DIN EN 166)

Skin protection:

Tested protective gloves must be worn DIN EN 374 In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration. Recommended material: Butyl caoutchouc (butyl rubber), FKM (fluoro rubber), PVC (Polyvinyl chloride), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber)

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. (Combination filtering device (EN 14387))

Other protection measures:

Avoid: Inhalation of vapours or spray/mists. Avoid contact with eyes and skin. Wash hands before breaks and after work. Apply skin care products after work.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Colour: grey

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 200			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	100 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			

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parameter		at °C	Method	Remark
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/ water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Warning! Do not use together with other products. May release dangerous gases (chlorine).

10.4. Conditions to avoid

Safe handling: see section 7

10.5. Incompatible materials

Sulphur oxides, Nitrogen oxides (NO_x)

10.6. Hazardous decomposition products

The mixture is chemically stable under recommended conditions of storage, use and temperature.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
68611-50-7	LIQUID POLYSULFIDE POLYMER WITH THIOL END GROUPS (MW >1800)	LD₅₀ oral: >5,000 mg/kg (Rat) LD₅₀ dermal: >7,800 mg/kg (Rat)
27138-31-4	oxydipropyl dibenzoate	LD₅₀ oral: 3,914 mg/kg LC₅₀ inhalative: 200 ppmV LD₅₀ dermal: 2,000 mg/kg
68512-30-1	Phenol, methylstyrenated	LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rat)
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	LD₅₀ oral: 11,400 mg/kg (Rat) LD₅₀ dermal: >22,800 mg/kg (Rabbit)

Respiratory or skin sensitisation:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Contains epoxy constituents.
May produce an allergic reaction.

Reproductive toxicity:

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

Additional information:

The product has not been tested. The statement is derived from the properties of the single components.

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SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
68611-50-7	LIQUID POLYSULFIDE POLYMER WITH THIOL END GROUPS (MW >1800)	LC₅₀ : >1,000 mg/l 4 d (Leuciscus idus (golden orfe)) EC₅₀ : 20 mg/l 2 d
27138-31-4	oxydipropyl dibenzoate	LC₅₀ : 3.7 mg/l 4 d EC₅₀ : 10 - 100 mg/l 2 d
68512-30-1	Phenol, methylstyrenated	EC₅₀ : <51 mg/l 2 d (Daphnia pulex (water flea)) EC₅₀ : 15 mg/l 3 d LC₅₀ : 25.8 mg/l 4 d
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	EC₅₀ : 220 mg/l 4 d (Scenedesmus subspicatus) EC₅₀ : 3.6 mg/l 4 d (Leuciscus idus (golden orfe)) EC₅₀ : 2.8 mg/l 2 d (Daphnia magna (Big water flea)) LC₅₀ : 1.3 mg/l 4 d

Assessment/classification:

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	3.242	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
68611-50-7	LIQUID POLYSULFIDE POLYMER WITH THIOL END GROUPS (MW >1800)	—
85535-85-9	Alkanes, C14-17, chloro	—
27138-31-4	oxydipropyl dibenzoate	—
68512-30-1	Phenol, methylstyrenated	—
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	—

12.6. Other adverse effects

Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

08 01 11 * Waste paint and varnish containing organic solvents or other dangerous substances

*: Evidence for disposal must be provided.

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Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.









Appropriate disposal / Package:

Completely emptied packages can be recycled.

13.2. Additional information

No data available

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
3082	3082	3082	3082
14.2. UN proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro)
14.3. Transport hazard class(es)			
 9	 9	 9	 9
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
		 MARINE POLLUTANT	
14.6. Special precautions for user			
No data available			

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Only use containers specifically approved for the substance/product.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class (WGK)

WGK:

2 - deutlich wassergefährdend

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15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Reproductive toxicity (<i>Lact.</i>)	H362: May cause harm to breast-fed children.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H362	May cause harm to breast-fed children.
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.

16.6. Training advice

No data available

16.7. Additional 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.

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

1.1. Product identifier

Trade name/designation:

EUROLASTIC TC 30 S Komponente B 100:20

Article No.:

1087

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

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

Uses advised against:

Sector of uses [SU]

SU 21: Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

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

Euroteam Bauchemie GmbH

An der Mühle 1

15345 Altlandsberg

Germany

Telephone: +49 (0) 33438 14790

Telefax: +49 (0) 33438 147929

E-mail: info@euroteam-bauchemie.de

Website: www.euroteam-bauchemie.de

E-mail (competent person): info@euroteam-bauchemie.de

1.4. Emergency telephone number

Labor, 24h: +49 (0) 162 2599220, Montag - Donnerstag 7:00 - 16:00; Freitag 7:00 - 13:00 +49 (0) 33438 1479 19 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (inhalative) (Acute Tox. 4)	H332: Harmful if inhaled.	
Reproductive toxicity (Lact.)	H362: May cause harm to breast-fed children.	
STOT-repeated exposure (STOT RE 2)	H373: May cause damage to organs through prolonged or repeated exposure. (...)	
Hazardous to the aquatic environment (Aquatic Acute 1)	H400: Very toxic to aquatic life.	
Hazardous to the aquatic environment (Aquatic Chronic 1)	H410: Very toxic to aquatic life with long lasting effects.	

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

Exclamation mark.



GHS08

Health hazard



GHS09

Environment

Signal word: Warning

Hazard components for labelling:

Alkanes, C14-17, chloro; 1,3-diphenylguanidine; manganese dioxide; thiram

hazard statements for health hazards

H332	Harmful if inhaled.
H362	May cause harm to breast-fed children.
H373	May cause damage to organs through prolonged or repeated exposure. (...)

Hazard statements for environmental hazards

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental Hazard information (EU)

EUH208	Contains thiram. May produce an allergic reaction.
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Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Precautionary statements Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 85535-85-9 EC No.: 287-477-0	Alkanes, C14-17, chloro Lact., Aquatic Acute 1, Aquatic Chronic 1 Warning H362-H410-EUH066	27 - 47 Wt %
CAS No.: 1313-13-9 EC No.: 215-202-6 REACH No.: 01-2119452801-43-XXXX	manganese dioxide Acute Tox. 4, STOT RE 2 H302-H332-H373	9 - 17 Wt %
CAS No.: 137-26-8 EC No.: 205-286-2	thiram Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1 Warning H302-H315-H317-H319-H332-H373-H410 M-fact r: 10	0 - 1 Wt %

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product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 102-06-7 EC No.: 203-002-1	1,3-diphenylguanidine Repr. 2, STOT SE 3, Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2  Danger H301-H315-H319-H335-H361F-H411	0 - 1 Wt %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. Get medical advice/attention. Get medical advice/attention if you feel unwell.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

4.2. Most important symptoms and effects, both acute and delayed

No data available

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:

Foam, Dry extinguishing powder,, Water spray

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

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

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

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Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

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

For cleaning up:

Solvents/Thinner

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Avoid contact during pregnancy/while nursing.

Environmental precautions:

Do not allow to enter into soil/subsoil.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Requirements for storage rooms and vessels:

Keep/Store only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

Storage class: 10 - Combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	Alkanes, C14-17, chloro CAS No.: 85535-85-9	① 0.3 ppm (6 mg/m ³) ② 2.4 ppm (48 mg/m ³) ⑤ (einatembare Fraktion)
TRGS 900 (DE)	thiram CAS No.: 137-26-8	① 1 mg/m ³ ② 2 mg/m ³ ⑤ (einatembare Fraktion)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
manganese dioxide CAS No.: 1313-13-9	0.2 mg/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)
manganese dioxide CAS No.: 1313-13-9	0.043 mg/m ³	① DNEL Consumer ② DNEL long-term inhalative (systemic)
manganese dioxide CAS No.: 1313-13-9	0.004 mg/kg bw/day	① DNEL worker ② DNEL long-term dermal (systemic)

Substance name	PNEC Value	① PNEC type
manganese dioxide CAS No.: 1313-13-9	0.00014 mg/l	① PNEC aquatic, freshwater
manganese dioxide CAS No.: 1313-13-9	0.000014 mg/l	① PNEC aquatic, marine water
manganese dioxide CAS No.: 1313-13-9	100 mg/l	① PNEC sewage treatment plant (STP)
manganese dioxide CAS No.: 1313-13-9	0.037 mg/kg bw/day	① PNEC sediment, freshwater
manganese dioxide CAS No.: 1313-13-9	0.0037 mg/ kg bw/day	① PNEC sediment, marine water

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection DIN EN 166

Skin protection:

PVC (Polyvinyl chloride), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber), FKM (fluoro rubber). Tested protective gloves must be worn DIN EN 374 Suitable material: Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

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Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device (EN 14387)

Other protection measures:

Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and after work. Apply skin care products after work.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Colour: dark brown

Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	7			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 200 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	100 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	insoluble	20 °C		
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Safe handling: see section 7

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10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Hydrogen chloride (HCl), Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
1313-13-9	manganese dioxide	LD₅₀ oral: >3,480 mg/kg (Rat)
137-26-8	thiram	LD₅₀ oral: 1,800 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rabbit) LC₅₀ inhalative: 3.464 mg/l 4 h (Rat)
102-06-7	1,3-diphenylguanidine	LD₅₀ oral: 107 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rabbit)

Acute oral toxicity:

The classification criteria for this hazard class are not met by definition.

Acute dermal toxicity:

The classification criteria for this hazard class are not met by definition.

Acute inhalation toxicity:

Harmful if inhaled.

Skin corrosion/irritation:

The classification criteria for this hazard class are not met by definition.

Eye damage/irritation:

The classification criteria for this hazard class are not met by definition.

Respiratory or skin sensitisation:

Contains thiram. May produce an allergic reaction.

Germ cell mutagenicity:

The classification criteria for this hazard class are not met by definition.

Carcinogenicity:

The classification criteria for this hazard class are not met by definition.

Reproductive toxicity:

May cause harm to breast-fed children.

STOT-single exposure:

The classification criteria for this hazard class are not met by definition.

STOT-repeated exposure:

The classification criteria for this hazard class are not met by definition.

Aspiration hazard:

The classification criteria for this hazard class are not met by definition.

Additional information:

The product has not been tested. The statement is derived from the properties of the single components.

No data available

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SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
137-26-8	thiram	EC₅₀ : 0.38 mg/l 2 d (Daphnia magna (Big water flea)) EC₅₀ : 0.065 mg/l 3 d LC₅₀ : 0.046 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) NOEC : 0.02 mg/l 21 d
102-06-7	1,3-diphenylguanidine	LC₅₀ : 4.2 mg/l 4 d (Pimephales promelas (fathead minnow)) EC₅₀ : 17 mg/l 2 d (Daphnia magna (Big water flea)) IC₅₀ : 1.7 mg/l 3 d (Selenastrum capricornutum)

Aquatic toxicity:

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
85535-85-9	Alkanes, C14-17, chloro	—
1313-13-9	manganese dioxide	—
137-26-8	thiram	—
102-06-7	1,3-diphenylguanidine	—

12.6. Other adverse effects

The product has not been tested. The statement is derived from the properties of the single components.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

08 01 11 * Waste paint and varnish containing organic solvents or other dangerous substances

*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

13.2. Additional information

No data available

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SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
3082	3082	3082	3082
14.2. UN proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkanes, C14-17, chloro)
14.3. Transport hazard class(es)			
 9	 9	 9	 9
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
		 MARINE POLLUTANT	
14.6. Special precautions for user			
No data available			

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Only use containers specifically approved for the substance/product.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class (WGK)

WGK:

3 - stark wassergefährdend

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

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16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	
Reproductive toxicity (<i>Lact.</i>)	H362: May cause harm to breast-fed children.	
STOT-repeated exposure (<i>STOT RE 2</i>)	H373: May cause damage to organs through prolonged or repeated exposure. (...)	
Hazardous to the aquatic environment (<i>Aquatic Acute 1</i>)	H400: Very toxic to aquatic life.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 1</i>)	H410: Very toxic to aquatic life with long lasting effects.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility. (...)
H362	May cause harm to breast-fed children.
H373	May cause damage to organs through prolonged or repeated exposure. (...)
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.

16.6. Training advice

No data available

16.7. Additional 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.