



SAFETY DATA SHEET
CHAINGUARD 280

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Revision date: 17/10/2019

Revision No: 11

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

1.1. Product identifier

Product name: CHAINGUARD 280

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

Use of substance / mixture: Chain Lubricant.

1.3. Details of the supplier of the safety data sheet

Company name: ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

Tel: +44 (0) 113 232 2700

Fax: +44 (0) 113 232 2740

Email: customer-service@rocol.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 113 232 2600

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Acute 1: H400; Aquatic Chronic 2: H411

Most important adverse effects: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS09: Environmental



Signal words: Warning

Precautionary statements: P273: Avoid release to the environment.

P391: Collect spillage.

P501: Dispose of contents/container to local/national regulations.

[cont...]

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

REACTION MASS OF P-T-BUTYLPHENYLDIPHENYL PHOSPHATE AND BIS(P-T-BUTYLPHENYL)PHENYL PHOSPHATE AND TRIPHENYL PHOSPHATE [TPP >25%] - REACH registered number(s): 01-2119519251-50-0002

EINECS	CAS	PBT / WEL	CLP Classification	Percent
700-990-0	68937-40-6	-	Aquatic Acute 1: H400; Aquatic Chronic 1: H410	2.4-10%

STYRENATED DIPHENYLAMINE

270-485-3	68442-68-2	-	Aquatic Chronic 3: H412	1-2.4%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: No data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Do not use water. Alcohol or polymer foam. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

Hazardous ingredients:

REACTION MASS OF P-T-BUTYLPHENYLDIPHENYL PHOSPHATE AND BIS(P-T-BUTYLPHENYL)PHENYL PHOSPHATE ANI

Type	Exposure	Value	Population	Effect
DNEL	Dermal	10.75 mg/kg	Workers	Systemic
DNEL	Inhalation	7.58 mg/m ³	Workers	Systemic
DNEL	Dermal	5.375 mg/kg	General Population	Systemic
DNEL	Inhalation	1.87 mg/m ³	General Population	Systemic
DNEL	Oral	5.375 mg/kg	General Population	Systemic
PNEC	Fresh water	0.000798 mg/l	-	-

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PNEC	Marine water	0.00008 mg/l	-	-
PNEC	Fresh water sediments	0.96 mg/kg	-	-
PNEC	Marine sediments	0.09 mg/kg	-	-
PNEC	Soil (agricultural)	0.252 mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not normally required.

Hand protection: Protective gloves. Nitrile gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale yellow

Odour: Barely perceptible odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Oily

Kinematic viscosity: 240 cSt

Viscosity test method: Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3104/3105)

Boiling point/range°C: > 200

Melting point/range°C: < 0

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: 300

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: >400

Vapour pressure: No data available.

Relative density: 0.98

pH: No data available.

VOC g/l: 0

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

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10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Direct sunlight.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

REACTION MASS OF P-T-BUTYLPHENYLDIPHENYL PHOSPHATE AND BIS(P-T-BUTYLPHENYL)PHENYL PHOSPHATE AND TRIPHENYL PHOSPHATE [TPP >25%]

DERMAL	RAT	LD50	2000	mg/kg
ORAL	RAT	LD50	5000	mg/kg
VAPOURS	RAT	1H LC50	200	mg/l

STYRENATED DIPHENYLAMINE

DERMAL	RBT	LD50	> 5000	mg/kg
ORAL	RAT	LD50	> 5000	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: No data available.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

REACTION MASS OF P-T-BUTYLPHENYLDIPHENYL PHOSPHATE AND BIS(P-T-BUTYLPHENYL)PHENYL PHOSPHATE ANI

Daphnia magna	48H EC50	0.202	mg/l
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FISH	96H LC50	0.8	mg/l
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12.2. Persistence and degradability

Persistence and degradability: Biodegradable in part only.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Non-volatile. Insoluble in water. Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 13 02 06

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(contains PHENOL, ISOBUTYLENATED, PHOSPHATE (3:1)[TRIPHENYL PHOSPHATE > 25%])

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

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14.6. Special precautions for user

Special precautions: No data available

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Compiled in accordance with REACH.

Phrases used in s.2 and s.3: 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.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.