

## SAFETY DATA SHEET

### RAIL CLEANER

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

##### 1.1. Product identifier

Trade name

RAIL CLEANER

Product no.

1304

Unique formula identifier (UFI)

3T90-10W0-F00Q-1DY0

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

Relevant identified uses of the substance or mixture

Cleaning product

▼ Uses advised against

None known.

##### 1.3. Details of the supplier of the safety data sheet

Company and address

**Trion Tensid AB**

Svederusgatan 1-3

SE-75450 Uppsala

Sweden

+46 18 15 61 90

www.trion.se

▼ Contact person

William Stomilovic

E-mail

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Revision

30/09/2022

SDS Version

3.0

Date of previous version

03/01/2022 (2.0)

##### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

Eye Dam. 1; H318, Causes serious eye damage.

##### 2.2. Label elements

Hazard pictogram(s)



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### Signal word

Danger

#### Hazard statement(s)

Causes serious eye damage. (H318)

#### Safety statement(s)

##### General

-

##### Prevention

Wear eye protection/protective gloves. (P280)

##### Response

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

Immediately call a POISON CENTER/doctor. (P310)

##### Storage

-

##### Disposal

-

#### Hazardous substances

Oxalic acid

hexyl D-glucoside

#### ▼ Additional labelling

Not applicable.

#### 2.3. Other hazards

##### ▼ Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

#### ▼ 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Oxalic acid	CAS No.: 6153-56-6	5-10%	Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Dam. 1, H318	
	EC No.: 612-167-2			
	UK-REACH:			
	Index No.:			
oxydipropanol	CAS No.: 25265-71-8	1-3%		
	EC No.: 246-770-3			
	UK-REACH:			
	Index No.:			
hexyl D-glucoside	CAS No.: 54549-24-5	1-3%	Eye Dam. 1, H318	
	EC No.: 259-217-6			
	UK-REACH:			
	Index No.:			

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### ▼ Other information

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### ▼ Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### ▼ Burns

Not applicable.

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

None known.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### ▼ 5.1. Extinguishing media

Not applicable.

### ▼ 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

#### ▼ 6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### ▼ 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

4 - 25 Celcius

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### ▼ DNEL

hexyl D-glucoside

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	357000 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	595000 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	124 mg/m3
Long term – Systemic effects - Workers	Inhalation	420 mg/m3
Long term – Systemic	Oral	35,7 mg/kg bw/day

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

effects - General population

#### Oxalic acid

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	1,14 mg/kg/d
Long term – Systemic effects - Workers	Dermal	2,29 mg/kg/day
Short term – Local effects - General population	Dermal	0,35 mg/sqcm
Short term – Local effects - Workers	Dermal	0,69 mg/sqcm
Long term – Systemic effects - Workers	Inhalation	4,03 mg/kbm
Long term – Systemic effects - General population	Oral	1,14 mg/kg/d

#### PNEC

##### hexyl D-glucoside

Route of exposure	Duration of Exposure	PNEC
Freshwater	Single	0,176 mg/L
Freshwater sediment	Single	0,722 mg/kg
Marine water	Single	0,018 mg/L
Marine water sediment	Single	0,072 mg/kg
Sewage treatment plant	Single	100 mg/L
Soil	Single	0,654 mg/kg

##### Oxalic acid

Route of exposure	Duration of Exposure	PNEC
Freshwater	Single	0,1622 mg/L
Marine water	Single	0,01622 mg/L

#### ▼ 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

##### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

##### Exposure scenarios

There are no exposure scenarios implemented for this product.

##### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

##### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### ▼ Measures to avoid environmental exposure

No specific requirements.

### Individual protection measures, such as personal protective equipment

#### ▼ Generally

Use only UKCA marked protective equipment.

#### Respiratory Equipment

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation	-	-	-

#### Skin protection

Recommended	Type/Category	Standards
No special when used as intended.	-	-

#### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Latex	0.12	-	EN374-2



#### Eye protection

Type	Standards
Wear safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Gel

#### Colour

Colourless

#### ▼ Odour / Odour threshold

Acidic

#### pH

1

#### Density (g/cm<sup>3</sup>)

1.05

#### ▼ Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

#### Particle characteristics

Does not apply to liquids.

#### Phase changes

#### ▼ Melting point/Freezing point (°C)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Testing not relevant or not possible due to the nature of the product.

#### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

#### ▼ Boiling point (°C)

100

#### ▼ Vapour pressure

Testing not relevant or not possible due to the nature of the product.

#### ▼ Relative vapour density

Testing not relevant or not possible due to the nature of the product.

#### ▼ Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

### Data on fire and explosion hazards

#### Flash point (°C)

Not applicable - flash point > 200°C

#### Ignition (°C)

Not applicable - flash point > 200°C

#### Auto flammability (°C)

Not applicable - flash point > 200°C

#### ▼ Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to the nature of the product.

### Solubility

#### ▼ Solubility in water

Completely soluble

#### ▼ n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

#### ▼ Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

### 9.2. Other information

#### ▼ Other physical and chemical parameters

No data available.

## SECTION 10: Stability and reactivity

### ▼ 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### ▼ 10.3. Possibility of hazardous reactions

None known.

### ▼ 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Product/substance	Oxalic acid
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>375 mg/kg ·
Other information	
Product/substance	Oxalic acid
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>20 000 mg/kg ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory sensitisation

Product/substance	hexyl D-glucoside
Test method	
Species	Guinea pig



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result	No adverse effect observed (not sensitising)
Other information	

#### Skin sensitisation

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

#### Germ cell mutagenicity

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.

#### STOT-single exposure

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

#### STOT-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

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### ▼ Endocrine disrupting properties

None known.

#### ▼ Other information

None known.

## SECTION 12: Ecological information

### ▼ 12.1. Toxicity

Product/substance	Oxalic acid
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	160 mg/L ·
Other information	
Product/substance	Oxalic acid
Test method	
Species	Daphnia
Compartment	
Duration	48 hours

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test	EC50
Result	162,2 mg/L ·
Other information	
Product/substance	Oxalic acid
Test method	
Species	Algae
Compartment	
Duration	8 hours
Test	
Result	80 mg/L ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/L ·
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/L ·

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	>100 mg/L
Other information	
Product/substance	hexyl D-glucoside
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	>1-10 mg/L
Other information	

## 12.2. Persistence and degradability

Product/substance	Oxalic acid
Biodegradable	Yes
Test method	
Result	
Product/substance	hexyl D-glucoside
Biodegradable	Yes
Test method	OECD 301 D
Result	>70%

## ▼ 12.3. Bioaccumulative potential

Product/substance	Oxalic acid
Test method	
Potential bioaccumulation	No
LogPow	0,9000
BCF	No data available.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Other information	
Product/substance	hexyl D-glucoside
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	No data available.
Other information	

▼ 12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

▼ 12.6. Endocrine disrupting properties

None known.

▼ 12.7. Other adverse effects

None known.

## SECTION 13: Disposal considerations

▼ 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

After dilution with water, small quantities are permitted to go to water treatment plants. Empty packages and product residues must be handled in an environmentally correct manner according to applicable laws and provisions. The company is affiliated to REPA. Do not attempt to refill or clean the package.

EWC code

20 01 29\* Detergents containing dangerous substances

▼ Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information



	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

\* Packing group

\*\* Environmental hazards

▼ Additional information

Not dangerous goods according to ADR, IATA and IMDG.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

- ▼ 14.6. Special precautions for user  
Not applicable.
- ▼ 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

#### Restrictions for application

Restricted to professional users.

- ▼ Demands for specific education  
No specific requirements.
- ▼ SEVESO - Categories / dangerous substances  
Not applicable.
- ▼ Additional information  
Not applicable.
- ▼ Sources

The Management of Health and Safety at Work Regulations 1999.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H312, Harmful in contact with skin.

H318, Causes serious eye damage.

### ▼ Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OECD = Organisation for Economic Co-operation and Development  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SCL = A specific concentration limit  
SVHC = Substances of Very High Concern  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TWA = Time weighted average  
UN = United Nations  
UVBC = Unknown or variable composition, complex reaction products or of biological materials  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

▼ **Additional information**

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

▼ **The safety data sheet is validated by**

William Stomilovic

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en