

## Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 17.10.2020

Product: **JETWASH**

Version: 1.0

(30722293/SDS\_GEN\_NZ/EN)

Date of print 26.10.2020

### 1. Substance/preparation and manufacturer/supplier identification

#### **JETWASH**

Recommended use: Detergents, Restricted to professional users.

Not recommended use: None known

Manufacturer/supplier:

Chemetall (New Zealand) Ltd  
664 Rosebank Road Avondale,  
Auckland 1026  
NEW ZEALAND  
Telephone: 008 837 464, +64 9 820 3888  
Telefax number: +64 9 820 3979  
E-mail address: nzadmin@basf.com

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

### 2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat. 5 (Inhalation - dust)

Skin corrosion/irritation: Cat. 1B

Serious eye damage/eye irritation: Cat. 1

Skin sensitization: Cat. 1

Respiratory sensitization: Cat. 1

Germ cell mutagenicity: Cat. 1B

Carcinogenicity: Cat. 1B

Reproductive toxicity: Cat. 1B (unborn child)

Reproductive toxicity: Cat. 1B (fertility)

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Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)  
 Hazardous to the aquatic environment - acute: Cat. 3  
 Hazardous to the aquatic environment - chronic: Cat. 3  
 Acute toxicity: Cat. 5 (oral)

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H314	Causes severe skin burns and eye damage.
H333	May be harmful if inhaled.
H303	May be harmful if swallowed.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
H335	May cause respiratory irritation.
H350	May cause cancer.
H340	May cause genetic defects.
H360	May damage fertility. May damage the unborn child.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P260	Do not breathe dust or mist.
P202	Do not handle until all safety precautions have been read and understood.
P271	Use only outdoors or in a well-ventilated area.
P281	Use personal protective equipment as required.
P264	Wash contaminated body parts thoroughly after handling.
P284	In case of inadequate ventilation wear respiratory protection.

Precautionary Statements (Response):

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
 P308 + P313 IF exposed or concerned: Get medical attention.  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P333 + P313 If skin irritation or rash occurs: Get medical attention.  
 P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P310 Immediately call a POISON CENTER or physician.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P363 Wash contaminated clothing before reuse.

**Precautionary Statements (Storage):**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.

**Precautionary Statements (Disposal):**

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

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### 3. Composition/information on ingredients

**Chemical nature****Hazardous ingredients**

sodium carbonate

Content (W/W): &gt;= 30 % - &lt; 50 % Acute Tox.: Cat. 5 (oral)

CAS Number: 497-19-8 Eye Dam./Irrit.: Cat. 2B

Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt

Content (W/W): &gt;= 30 % - &lt; 50 % Skin Corr./Irrit.: Cat. 1B

CAS Number: 6834-92-0 Eye Dam./Irrit.: Cat. 1

STOT SE: Cat. 3 (irr. to respiratory syst.)

Sodium Dichromate

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Content (W/W): $\geq 0.5\%$ - $< 1\%$	Ox. Sol.: Cat. 2
CAS Number: 10588-01-9	Carc.: Cat. 1B
	Muta.: Cat. 1B
	Repr.: Cat. 1B
	Skin Corr./Irrit.: Cat. 1B
	Resp. Sens.: Cat. 1
	Skin Sens.: Cat. 1
	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 1
	Acute Tox.: Cat. 2 (by inhalation)
	Acute Tox.: Cat. 3 (oral)
	STOT RE: Cat. 1
	Acute Tox.: Cat. 4 (dermal)
	M-factor acute: 1
	M-factor chronic: 1

Octenylsuccinic acid

Content (W/W): $\geq 1\%$ - $< 2\%$	Acute Tox.: Cat. 4 (oral)
CAS Number: 28805-58-5	Skin Corr./Irrit.: Cat. 1
	Eye Dam./Irrit.: Cat. 1

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## 4. First-Aid Measures

### General advice:

Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety. Remove affected person from danger area. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Immediate medical attention required.

### On skin contact:

Flush with copious amounts of water for at least 15 minutes. Immediate medical attention required.

### On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required. Remove contact lenses, if present.

### On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Summon medical aid without delay.

### Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:  
carbon dioxide, dry powder, water spray, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
carbon oxides, phosphorus oxides

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:  
Use personal protective clothing. Avoid dust formation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions:  
Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

Methods for cleaning up or taking up:  
Ensure adequate ventilation. Contain and collect spillages with a protected vacuum cleaner or by wet brushing and place in a closed container for disposal in accordance with the waste regulations. Do not use a dry brush as dust clouds or static can be created.

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## 7. Handling and Storage

### Handling

Provide basic employee training to prevent/minimize exposures. Do not return residues to the storage containers. Avoid dust formation. Provide good ventilation of working area (local exhaust ventilation if necessary). The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:  
The substance/product is non-combustible. The relevant fire protection measures should be noted.

### Storage

Segregate from acids.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP)

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep container tightly closed. Protect against moisture. Avoid direct sunlight. Avoid contact with amphoteric metals (e.g. aluminium, lead, zinc).

## **8. Exposure controls and personal protection**

### Components with occupational exposure limits

Sodium Dichromate, 10588-01-9;

STEL value 0.0005 mg/m<sup>3</sup> (ACGIHTLV), Inhalable fraction

Measured as: chromium(VI)

TWA value 0.0002 mg/m<sup>3</sup> (ACGIHTLV), Inhalable fraction

Measured as: chromium(VI)

Skin Designation (OEL (NZ))

Measured as: Chromium (Cr)

Skin absorption can be significant.

(OEL (NZ))

Measured as: Chromium (Cr)

Exposure can also be estimated by biological monitoring.

TWA value 0.01 mg/m<sup>3</sup> (OEL (NZ))

Measured as: Chromium (Cr)

Skin Designation (ACGIHTLV), Inhalable fraction

Measured as: chromium(VI)

Danger of cutaneous absorption

### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Particle filter EN 143 P2 or FFP2)

Hand protection:

Chemical resistant protective gloves (EN 374)

Further information on penetration time is available from the manufacturer of the glove.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

**General safety and hygiene measures:**

Avoid exposure - obtain special instructions before use. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Do not breathe dust. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

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**9. Physical and Chemical Properties**

Form:	solid
Colour:	yellow
pH value:	not applicable
Melting point:	not determined
onset of boiling:	not determined
Flash point:	not applicable
Flammability (solid/gas):	not flammable
Lower explosion limit:	not applicable
Ignition temperature:	not applicable
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1.000 g/cm <sup>3</sup> (20 °C)
Solubility in water:	soluble
Miscibility with water:	No data available.
Viscosity, kinematic:	(20 °C) not applicable

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(40 °C)  
not applicable

Flow time:

not applicable

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid humidity.

Substances to avoid:

acids, light metals

Hazardous reactions:

In reaction with acids exothermic reaction. May react with aluminum, zinc or tin, with formation of hydrogen.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

### Irritation

Assessment of irritating effects:

Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:

The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.

### Germ cell mutagenicity

Assessment of mutagenicity:

Capable of causing genetic defects.

### Carcinogenicity

Assessment of carcinogenicity:

The substance caused cancer in animal studies.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Causes impairment of fertility in laboratory animals. The substance caused malformations/developmental toxicity in laboratory animals.

### **Developmental toxicity**

Assessment of teratogenicity:

The substance caused malformations/developmental toxicity in laboratory animals.

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

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

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

No data available concerning biodegradation and elimination.

Elimination information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

### **Bioaccumulation potential**

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Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

Observe national and local legal requirements.

Contaminated packaging:  
Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

Packing group: III  
ID number: UN 3253  
Transport hazard class(es): 8  
Proper shipping name: DISODIUM TRIOXOSILICATE

### Further information

Hazchem Code:2X  
IERG Number:37

### Sea transport

IMDG

Packing group: III  
ID number: UN 3253  
Transport hazard class(es): 8  
Marine pollutant: NO  
Proper shipping name: DISODIUM TRIOXOSILICATE

### Air transport

IATA/ICAO

Packing group: III  
ID number: UN 3253  
Transport hazard class(es): 8  
Proper shipping name: DISODIUM TRIOXOSILICATE

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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Tracking requirements do not apply to this substance.  
A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002526  
Cleaning Products (Corrosive) Group Standard 2017

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.