

Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 16.12.2019

Version: 1.0

Date previous version: not applicable

Previous version: none

Product: **OAKITE 61 B**

(ID no. 30706166/SDS_GEN_GB/EN)

Date of print 22.02.2021

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

1.1. Product identifier

OAKITE 61 B

UFI: JJRU-F0QP-R00S-47PA

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

Recommended use: Detergents

Not recommended use: None known

1.3. Details of the supplier of the safety data sheet

Company:

Chemetall Ltd.

Napier House, Auckland Park

Bletchley, MK1 1BU

Great Britain

+44 1908 649333

sds.global-chemetall@basf.com

1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

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For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

According to Regulation (EC) No 1272/2008 [CLP]

Skin Corr./Irrit. 1B

Eye Dam./Irrit. 1

STOT SE 3 (irritating to respiratory system)

Met. Corr. 1

H290, H314, H335

For the classifications not written out in full in this section the full text can be found in section 16.

2.2. Label elements

Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H290

May be corrosive to metals.

H314

Causes severe skin burns and eye damage.

H335

May cause respiratory irritation.

Precautionary Statements (Prevention):

P280

Wear protective gloves, protective clothing and eye protection or face protection.

P271

Use only outdoors or in a well-ventilated area.

P234

Keep only in original packaging.

P264

Wash contaminated body parts thoroughly after handling.

P260

Do not breathe dust or mist.

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

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.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P363 Wash contaminated clothing before reuse.
 P390 Absorb spillage to prevent material damage.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P406 Store in corrosive resistant container with a resistant inner liner.
 P405 Store locked up.

Precautionary Statements (Disposal):

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

According to Regulation (EC) No 1272/2008 [CLP]

Hazard determining component(s) for labelling: disodium metasilicate, Trisodium phosphate, Tetrasodium-pyrophosphate, disodium metasilicate

UFI: JJRU-F0QP-R00S-47PA

2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

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.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

inorganic

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Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

disodium metasilicate

Content (W/W): $\geq 15\%$ - $< 20\%$	Skin Corr./Irrit. 1B
CAS Number: 6834-92-0	Eye Dam./Irrit. 1
EC-Number: 229-912-9	STOT SE 3 (irr. to respiratory syst.)
REACH registration number: 01-2119449811-37	H335, H314
INDEX-Number: 014-010-00-8	

Trisodium phosphate

Content (W/W): $\geq 5\%$ - $< 7\%$	Skin Corr./Irrit. 2
CAS Number: 7601-54-9	STOT SE (Respiratory system) 3 (irr. to respiratory syst.)
EC-Number: 231-509-8	Eye Dam./Irrit. 2
REACH registration number: 01-2119489800-32	H319, H315, H335

Tetrasodium-pyrophosphate

Content (W/W): $\geq 5\%$ - $< 7\%$	Acute Tox. 4 (oral)
CAS Number: 7722-88-5	Eye Dam./Irrit. 1
EC-Number: 231-767-1	H318, H302
REACH registration number: 01-2119489794-17	

sodium carbonate

Content (W/W): $\geq 30\%$ - $< 50\%$	Eye Dam./Irrit. 2
CAS Number: 497-19-8	H319
EC-Number: 207-838-8	
REACH registration number: 01-2119485498-19	
INDEX-Number: 011-005-00-2	

disodium metasilicate

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit. 1
CAS Number: 6834-92-0	STOT SE 3 (irr. to respiratory syst.)
REACH registration number: 01-2119449811-37	Skin Corr./Irrit. 1B
INDEX-Number: 014-010-00-8	H314, H335

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

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SECTION 4: First-Aid Measures

4.1. Description of first aid measures

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.

On ingestion:

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

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

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.

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

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

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

carbon dioxide, dry powder, water spray, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water jet

5.2. Special hazards arising from the substance or mixture

phosphorus oxides

5.3. Advice for fire-fighters

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Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

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. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning 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.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

Segregate from acids.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP)

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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).

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

7722-88-5: Tetrasodium-pyrophosphate

TWA value 5 mg/m³ (WEL/EH 40 (UK))

Components with PNEC

7558-79-4: Disodium hydrogenorthophosphate

No PNEC value available.

7758-29-4: Pentasodium triphosphate

No PNEC value available.

10101-89-0: Trisodium phosphate dodecahydrate

freshwater: 0.05 mg/l

marine water: 0.005 mg/l

intermittent release: 0.5 mg/l

STP: 50 mg/l

10213-79-3: Sodium metasilicate pentahydrate

freshwater: 7.5 mg/l

marine water: 1 mg/l

STP: 1000 mg/l

7722-88-5: Tetrasodium-pyrophosphate

freshwater: 0.05 mg/l

marine water: 0.005 mg/l

STP: 50 mg/l

Components with DNEL

497-19-8: sodium carbonate

worker: Long- and short-term exposure - local effects, Inhalation: 10 mg/m³

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consumer: Long- and short-term exposure - local effects, Inhalation: 10 mg/m³

6834-92-0: disodium metasilicate

worker: Long-term exposure- systemic effects, dermal: 1.49 mg/kg

worker: Long-term exposure- systemic effects, Inhalation: 6.22 mg/m³

consumer: Long-term exposure- systemic effects, oral: 0.74 mg/kg

consumer: Long-term exposure- systemic effects, Inhalation: 1.55 mg/m³

consumer: Long-term exposure- systemic effects, dermal: 0.74 mg/kg

7558-79-4: Disodium hydrogenorthophosphate

7758-29-4: Pentasodium triphosphate

10101-89-0: Trisodium phosphate dodecahydrate

worker: Long-term exposure- systemic effects, Inhalation: 4.07 mg/m³

10213-79-3: Sodium metasilicate pentahydrate

worker: Long-term exposure- systemic effects, Inhalation: 6.22 mg/m³

worker: Long-term exposure- systemic effects, dermal: 1.49 mg/kg bw/day

7722-88-5: Tetrasodium-pyrophosphate

worker: Long-term exposure- systemic effects, Inhalation: 2.79 mg/m³

8.2. Exposure controls

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

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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SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	powder
Colour:	white
Odour:	odourless
pH value:	12.5 (40 g/l)
Melting point:	not determined
Boiling point:	not determined
Flash point:	not applicable
Flammability:	not flammable
Lower explosion limit:	not applicable
Ignition temperature:	not applicable
Vapour pressure:	(20 °C) not determined
Density:	(50 °C) not determined 1.100 g/cm ³ (20 °C)
Solubility in water:	fully soluble
Viscosity, kinematic:	(20 °C) not applicable
Explosion hazard:	(40 °C) not applicable not explosive
Fire promoting properties:	not fire-propagating

9.2. Other information

Self heating ability:	It is not a substance capable of spontaneous heating.
Miscibility with water:	miscible

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Flow time:

not applicable

SECTION 10: Stability and Reactivity

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: Corrosive effect on metals.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

In reaction with acids exothermic reaction.

10.4. Conditions to avoid

Avoid humidity.

10.5. Incompatible materials

Substances to avoid:

strong acids

10.6. Hazardous decomposition products

Possible decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

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

Experimental/calculated data:

ATE (oral): > 2,000 mg/kg (calculated)

Irritation

Assessment of irritating effects:

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

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Respiratory/Skin sensitization

Assessment of sensitization:

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

Germ cell mutagenicity

Assessment of mutagenicity:

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

Carcinogenicity

Assessment of carcinogenicity:

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

Reproductive toxicity

Assessment of reproduction toxicity:

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

Developmental toxicity

Assessment of teratogenicity:

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

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.

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:

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There are no test results available for this product. Do not allow to enter drains or waterways. The mixture has been assessed following regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.

12.2. Persistence and degradability

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.

12.3. Bioaccumulative potential

Bioaccumulation potential:

No data available.

12.4. Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: No data available.

12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

12.7. Additional information

Other ecotoxicological advice:

Do not allow to enter drains or waterways. Do not allow to enter soil, waterways or waste water channels.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Observe national and local legal requirements.

Waste key:

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Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14: Transport Information

Land transport

ADR

UN number	UN3262
UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains disodium metasilicate, DISODIUM META-SILICATE)
Transport hazard class(es):	8
Packing group:	III
Environmental hazards:	no
Special precautions for user:	Tunnel code: E

RID

UN number	UN3262
UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains disodium metasilicate, DISODIUM META-SILICATE)
Transport hazard class(es):	8
Packing group:	III
Environmental hazards:	no
Special precautions for user:	

Inland waterway transport

ADN

UN number	UN3262
UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains disodium metasilicate, DISODIUM META-SILICATE)
Transport hazard class(es):	8
Packing group:	III
Environmental hazards:	no
Special precautions for user:	

Transport in inland waterway vessel

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Not evaluated

Sea transport

IMDG

UN number:	UN 3262
UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains disodium metasilicate, DISODIUM META-SILICATE)
Transport hazard class(es):	8
Packing group:	III
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for user:	

Air transport

IATA/ICAO

UN number:	UN 3262
UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (contains disodium metasilicate, DISODIUM META-SILICATE)
Transport hazard class(es):	8
Packing group:	III
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	

14.1. UN number

See corresponding entries for "UN number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

14.5. Environmental hazards

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See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

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

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

SECTION 15: Regulatory Information

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

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):
Listed in above regulation: Not subjected to Hazardous Incident Ordinance.

15.2. Chemical Safety Assessment

For a mixture it is not mandatory to include an exposure scenario in the material safety data sheet.

The general risk management measures related to the physico-chemical hazard of the product are communicated in chapter 2-14 of this SDS; they are to be considered by the (downstream) user when assessing the risks in accordance with his specific operating conditions and workplace environment.

SECTION 16: Other Information

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Met. Corr.	Corrosive to metals
Acute Tox.	Acute toxicity
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H315	Causes skin irritation.

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H318	Causes serious eye damage.
H302	Harmful if swallowed.

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

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.

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