

50554660-9433

Safety Data Sheet

330006 Oakite 33

Revision date : 2018/01/18
Version: 1.2

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(30692312/SDU_GEN_US/EN)

1. Identification

Product identifier used on the label

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Recommended use of the chemical and restriction on use

Recommended use*: Detergents

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

Chemetall U.S., Inc.
675 Central Avenue
New Providence, NJ 07974 – USA

Telephone: +1 800 526-4473
E-mail address: michael.l.chang@basf.com

Emergency telephone number

Telephone: 800-424-9300, 1-703-527-3887

Other means of identification

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	liquid
Colour	tan
Odour	mild
Hazard Summary	Harmful by inhalation and if swallowed. Causes severe burns.

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GHS Classification

Corrosive to metals : Category 1

Skin corrosion : Category 1A

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : May be corrosive to metals.
Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**
Keep only in original container.
Wash skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.
Storage:
Store locked up.
Store in corrosive resistant stainless steel container with a resistant inner liner.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Inhalation : yes

Skin : yes

Ingestion : yes

Aggravated Medical Condition : None known.

Carcinogenicity:

IARC

No component of this product present at levels greater than or

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equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

Confirmed animal carcinogen with unknown relevance to humans

2-Butoxy ethanol

111-76-2

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Phosphoric acid	7664-38-2	50 - 70
2-Butoxy ethanol	111-76-2	10 - 20
Gluconic acid	526-95-4	1 - 5
Trade Secret Registry	735517-5037P	1 - 5

Unidentified ingredients are considered not hazardous, or not required to be listed under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.
If symptoms persist, call a physician.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.
Take off contaminated clothing and shoes immediately.
Get medical attention immediately if irritation develops and persists
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
Get medical attention immediately
- If swallowed : Rinse mouth.
Drink 1 or 2 glasses of water.
Never give anything by mouth to an unconscious person.
Get medical attention immediately

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Carbon dioxide (CO2)
Foam
Water spray
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Use personal protective equipment.
- Methods and materials for containment and cleaning up : Ventilate area.
Neutralize with lime milk or soda and flush with plenty of water.
Clean up with inert absorbant material.
Sweep up and shovel into suitable containers for disposal.
Do not flush into surface water or sanitary sewer system.
- Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid contact with eyes, skin and clothing.
Use only with adequate ventilation.
Avoid breathing vapors, mist or gas.
Add this product to surface of solution slowly to avoid spattering
Do not add large amounts of product to solution at any one time.
- Conditions for safe storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination.
Store indoors in a cool, well-ventilated place

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parameters /	Basis
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		exposure)	Permissible concentration	
Phosphoric acid	7664-38-2	TWA	1.000000 mg/m3	ACGIH
		STEL	3.000000 mg/m3	ACGIH
		TWA	1.000000 mg/m3	NIOSH REL
		ST	3.000000 mg/m3	NIOSH REL
		TWA	1.000000 mg/m3	OSHA Z-1
		TWA	1.000000 mg/m3	OSHA P0
		STEL	3.000000 mg/m3	OSHA P0
		PEL	1.000000 mg/m3	CAL PEL
		STEL	3.000000 mg/m3	CAL PEL
2-Butoxy ethanol	111-76-2	TWA	20 ppm	ACGIH
		TWA	5 ppm 24.000000 mg/m3	NIOSH REL
		TWA	50 ppm 240.000000 mg/m3	OSHA Z-1
		TWA	25 ppm 120.000000 mg/m3	OSHA P0
		PEL	20 ppm 97.000000 mg/m3	CAL PEL

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-Butoxy ethanol	111-76-2, 111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

Personal protective equipment

- Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
- Hand protection
Remarks : Impervious gloves
- Eye protection : Chemical resistant goggles must be worn.
Face-shield
- Skin and body protection : Chemical resistant apron
- Hygiene measures : Avoid contact with skin, eyes and clothing.
Wear suitable gloves and eye/face protection.
Wear suitable protective clothing.
Wash hands before breaks and immediately after handling the product.
Provide adequate ventilation.
Do not inhale fumes.
Keep away from food and drink.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: tan
Odour	: mild
pH	: < 2.5
Freezing point	: -15 °C
Boiling point/boiling range	: No data available
Flash point	: does not flash
Evaporation rate	: < 1 Water = 1
Upper explosion limit	: Not applicable.
Lower explosion limit	: Not applicable.
Vapour pressure	: No data available
Relative density	: 1.345
Bulk density	: 11.2 lb/gal
Solubility(ies)	
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	: freezing
Incompatible materials	: Bases Warning! Do not use together with other products. May release dangerous gases (chlorine).
Hazardous decomposition products	: Carbon oxides Hydrogen, by reaction with metals Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

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Product:

- Acute oral toxicity : Acute toxicity estimate : 3,245.000000 mg/kg
Method: Calculation method
- Acute inhalation toxicity : Acute toxicity estimate : > 40.000000 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method
- Acute dermal toxicity : Acute toxicity estimate : > 5,000.000000 mg/kg
Method: Calculation method

Components:

Phosphoric acid:

- Acute oral toxicity : LD50 Rat: 3,500.000000 mg/kg
- Acute dermal toxicity : LD50 Rabbit: 2,740.000000 mg/kg

2-Butoxy ethanol:

- Acute oral toxicity : LD50 Guinea pig: 1,400.000000 mg/kg
LD50 Rat: 1,300.000000 mg/kg
- Acute inhalation toxicity : LC50 Rat: > 4.900000 mg/l
Exposure time: 3 h
Test atmosphere: vapour

- Acute dermal toxicity : LD50 Guinea pig: > 2,000.000000 mg/kg
LD50 Rabbit: > 2,000.000000 mg/kg

Gluconic acid:

- Acute oral toxicity : LD50 Rat: 7,630.000000 mg/kg
- Acute inhalation toxicity : LC50 Rat: 7.700000 mg/l
Exposure time: 4 h

Trade Secret Registry:

- Acute oral toxicity : LD50 Rat: 1,000.000000 - 2,000.000000
- Acute dermal toxicity : LD50 Rat: > 4,000.000000 mg/kg

Skin corrosion/irritation

Components:

Phosphoric acid:

Result: Corrosive

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2-Butoxy ethanol:

Result: Skin irritation

Serious eye damage/eye irritation

Components:

Phosphoric acid:

Result: Risk of serious damage to eyes.

2-Butoxy ethanol:

Result: Moderate eye irritation

Trade Secret Registry:

Result: Eye irritation

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

Components:

2-Butoxy ethanol:

Rat:

LOAEL: 69.000000 mg/kg

Application Route: Oral

Target Organs: Liver

Rat:

NOAEL: 150.000000 mg/kg

Application Route: Dermal

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

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No data available

Bioaccumulative potential

Product:

Partition coefficient: : Remarks: No data available
n-octanol/water

Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

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

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

TSCA Status : All components of this material comply with US TSCA requirements.

OSHA Hazards : Harmful by ingestion., Corrosive to skin, Moderate eye irritant
WHMIS Classification : E: Corrosive Material
D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Phosphoric acid	7664-38-2	5,000	9,615

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:
2-Butoxy ethanol 111-76-2

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US State Regulations

Massachusetts Right To Know

Phosphoric acid
2-Butoxy ethanol

7664-38-2
111-76-2

Pennsylvania Right To Know

Phosphoric acid
water
2-Butoxy ethanol

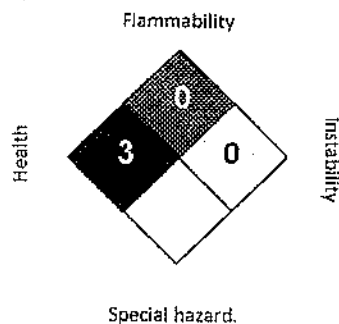
7664-38-2
7732-18-5
111-76-2

New Jersey Right To Know

Phosphoric acid
water
2-Butoxy ethanol
Gluconic acid
Trade Secret Registry

7664-38-2
7732-18-5
111-76-2
526-95-4
735517-5037P

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Corrosive Acid

Splash Goggles, Gloves, Apron, Dust and
Vapour Respirator

SECTION 16. OTHER INFORMATION

Further information

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Revision Date 12/19/2017

SDS Prepared by:

Chemetall (now part of BASF Group) NA Product Regulations

SDS Prepared on: 2018/01/18

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The content of this Safety Data Sheet (SDS) is based on an existing document from an acquired company with adaptations to Section I. The data is currently under validation.

END OF DATA SHEET