

Safety Data Sheet

WABO CONCRETE CLEANER

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Version: 4.0

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1. Identification

Product identifier used on the label

WABO CONCRETE CLEANER

Recommended use of the chemical and restriction on use

Recommended use*: for industrial and professional users

* 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:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: alcohol

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Flam. Liq.	2	Flammable liquids
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure

Label elements

Pictogram:

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Signal Word:
Danger

Hazard Statement:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves and eye/face protection.
P271 Use only outdoors or in a well-ventilated area.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P240 Ground/bond container and receiving equipment.
P242 Use only non-sparking tools.
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P312 Call a POISON CENTER or doctor/physician if you feel unwell.
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): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P311 If eye irritation persists: Call a POISON CENTER or doctor/physician.
P370 + P378 In case of fire: Use... to extinguish.

Precautionary Statements (Storage):

P233 Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary Statements (Disposal):

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

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
67-63-0	100.0 %	2-Propanol

4. First-Aid Measures

Description of first aid measures

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General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Overexposure may cause: headache, dizziness, incoordination, coma, abdominal cramps, nausea, vomiting

Hazards: No applicable information available.

No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician

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

5. Fire-Fighting Measures

Extinguishing media

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon oxides

The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

Can form explosive gas/air mixtures. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition. Ignition and /or flash back possible. If exposed to fire, keep containers cool by spraying with water.

Impact Sensitivity:

Remarks: Based on the chemical structure there is no shock-sensitivity.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Keep unprotected persons away.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For large amounts: Contain with absorbent material (e.g. sand, silica gel, acid binder, general purpose binder, sawdust).

7. Handling and Storage

Precautions for safe handling

Open and handle container with care. Avoid aerosol formation. Ensure good ventilation/exhaustion at the workplace.

Protection against fire and explosion:

Prevent electrostatic charge accumulation. Avoid all sources of ignition: heat, sparks, open flame. In case of fire, cool container with jet of water.

Conditions for safe storage, including any incompatibilities

No applicable information available.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

2-Propanol	OSHA PEL	PEL 400 ppm 980 mg/m ³ ; STEL value 500 ppm 1,225 mg/m ³ ; TWA value 400 ppm 980 mg/m ³ ;
	ACGIH TLV	TWA value 200 ppm ; STEL value 400 ppm ;

Advice on system design:

No applicable information available.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Eye protection:

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

Body protection:

Protective suit

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9. Physical and Chemical Properties

Form:	liquid
Odour:	alcohol-like
Odour threshold:	No applicable information available.
Colour:	clear
pH value:	neutral
Melting point:	-88.5 °C (1,013 hPa) Literature data.
Boiling point:	82.5 °C (1,013 hPa) Literature data.
Sublimation point:	No applicable information available.
Flash point:	12 °C Literature data.
Lower explosion limit:	No applicable information available.
Upper explosion limit:	No applicable information available.
Autoignition:	399 °C
Vapour pressure:	60.53 hPa (25 °C) Literature data.
Density:	approx. 0.79 g/cm ³ (20 °C) Literature data.
Relative density:	0.79 (20 °C) Literature data.
Vapour density:	No applicable information available.
Partitioning coefficient n-octanol/water (log Pow):	0.05 Literature data.
Self-ignition temperature:	not self-igniting
Thermal decomposition:	not determined
Viscosity, dynamic:	2.1 mPa.s (25 °C) Literature data.
Viscosity, kinematic:	No applicable information available.
Solubility in water:	miscible
Solubility (quantitative):	No applicable information available.
Solubility (qualitative):	No applicable information available.
Molar mass:	60.10 g/mol
Evaporation rate:	No applicable information available.

10. Stability and Reactivity

Reactivity

Corrosion to metals:
No corrosive effect on metal.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.
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Chemical stability

Possibility of hazardous reactions

Reacts with acids, alkalies and oxidizing agents.

Conditions to avoid

Avoid direct sunlight. Avoid heat.

Incompatible materials

alkali or alkaline-earth metal, iron compounds, oxidizing agents, amines, acids

Hazardous decomposition products

Thermal decomposition:
not determined

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Of low toxicity after single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. Inhalation-risk test (IRT): No mortality within 7 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard. High concentrations in the air may cause narcosis.
If used as intended, this product is not expected to present a physical or health hazard.

Assessment other acute effects

Assessment of STOT single:
Possible narcotic effects (drowsiness or dizziness).

Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. Eye contact causes irritation.

Skin

Species: rabbit
Result: non-irritant
Literature data.

Eye

Species: rabbit
Result: Irritant.
Method: Draize test
Literature data.

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Buehler test

Species: guinea pig

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Result: Non-sensitizing.
Literature data.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: No applicable information available.

Genetic toxicity

Assessment of mutagenicity: In the majority of studies performed with microorganisms and in mammalian cell culture, a mutagenic effect was not found. A mutagenic effect was also not observed in in vivo tests.

Teratogenicity

Assessment of teratogenicity: Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Symptoms of Exposure

Overexposure may cause:., headache, dizziness, incoordination, coma, abdominal cramps, nausea, vomiting

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Soil living organisms

Toxicity to soil dwelling organisms:

No data available.

Toxicity to terrestrial plants

No data available.

Other terrestrial non-mammals

LC50 (3 d) 11.8 - 13.4 g/L in diet, *Drosophila melanogaster* (other)

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

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OECD Guideline 209 aquatic
activated sludge, domestic/EC20 (3 h): > 1,000 mg/l
Nominal concentration. Literature data.

DIN EN ISO 10712 aquatic
bacterium/Toxic limit concentration (16 h): 1,050 mg/l
Nominal concentration. Literature data.

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Readily biodegradable (according to OECD criteria).

Elimination information

53 % BOD of the ThOD (5 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic)

Assessment of stability in water
According to structural properties, hydrolysis is not expected/probable.

Bioaccumulative potential

Assessment bioaccumulation potential
Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments
No data available.
Adsorption to solid soil phase is not expected.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

USDOT

Hazard class:	3
Packing group:	II
ID number:	UN 1219
Hazard label:	3
Proper shipping name:	ISOPROPANOL (ISOPROPYL ALCOHOL)

Sea transport

IMDG

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Hazard class: 3
Packing group: II
ID number: UN 1219
Hazard label: 3
Marine pollutant: NO
Proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

Air transport

IATA/ICAO

Hazard class: 3
Packing group: II
ID number: UN 1219
Hazard label: 3
Proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute; Chronic; Fire; Sudden release of pressure

EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
67-63-0	2-Propanol

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
100 LBS	67-63-0	2-Propanol

State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
PA	67-63-0	2-Propanol
MA	67-63-0	2-Propanol
NJ	67-63-0	2-Propanol

NFPA Hazard codes:

Health : 2 Fire: 3 Reactivity: 0 Special:

HMIS III rating

Health: 2[□] Flammability: 3 Physical hazard: 0

Assessment of the hazard classes according to UN GHS criteria (most recent version):

Acute Tox.	5 (oral)	Acute toxicity
Flam. Liq.	2	Flammable liquids
Eye Dam./Irrit.	2A	Serious eye damage/eye irritation
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure

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16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/09/02

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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