

Safety Data Sheet

WABO CONCRETE CLEANER

Revision date : 2010/04/20

Version: 1.0

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(298947/SDS_GEN_US/EN)

1. Product and Company Identification

Company

WATSON BOWMAN ACME
95 Pineview Drive
Amherst, NY 14228 USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview

WARNING:

FLAMMABLE LIQUID AND VAPOR.

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

MAY BE HARMFUL IF SWALLOWED.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

Keep container tightly closed.

Avoid all sources of ignition: heat, sparks, open flame.

State of matter: liquid

Potential health effects**Primary routes of exposure:**

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

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.

Irritation / corrosion:

Not irritating to the skin. Eye contact causes irritation.

Assessment other acute effects:

Possible narcotic effects (drowsiness or dizziness).

Sensitization:

Skin sensitizing effects were not observed in animal studies.

Chronic toxicity:

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

Genotoxicity: 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.

Signs and symptoms of overexposure:

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

Potential environmental effects

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.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
67-63-0	100.0 %	2-Propanol

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes:

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

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

5. Fire-Fighting Measures

Flash point:	12 °C	Literature data.
Autoignition:	399 °C	
Self-ignition temperature:		not self-igniting

Suitable extinguishing media:

foam, water spray, dry extinguishing media, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

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Hazards during fire-fighting:

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. Handling and Storage

Handling

General advice:

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Keep away from heat. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

General advice:

Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight.

Storage incompatibility:

General advice: Segregate from metals. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

2-Propanol	OSHA	PEL 400 ppm 980 mg/m ³ ;
	ACGIH	TWA value 200 ppm ; STEL value 400 ppm ;

Personal protective equipment

Respiratory protection:

When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

Hand protection:

Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

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Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Melting point:	-88.5 °C	(1,013 hPa) Literature data.
Boiling point:	82.5 °C	(1,013 hPa) Literature data.
Vapour pressure:	60.53 hPa	(25 °C) Literature data.
Density:	0.785 g/cm ³	(20 °C) Literature data.
Relative density:	0.785	(20 °C) Literature data.
Partitioning coefficient n-octanol/water (log Pow):	0.05	Literature data.
Viscosity, dynamic:	2.1 mPa.s	(25 °C) Literature data.
Solubility in water:		miscible
Molar mass:	60.10 g/mol	

10. Stability and Reactivity

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

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

Decomposition products:

Thermal decomposition products: carbon oxides

Oxidizing properties:

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

11. Toxicological information

Acute toxicity

Oral:

Type of value: LD50
Species: rat
Value: 4,396 mg/kg
Literature data.

Inhalation:

Type of value: LC50
Species: rat
Value: 72.6 mg/l
Exposure time: 4 h
Literature data.

Dermal:

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Type of value: LD50
Species: rabbit
Value: 12,870 mg/kg
Literature data.

Irritation / corrosion

Skin:

Species: rabbit
Result: non-irritant
Literature data.

Eye:

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

Sensitization:

Buehler test
Species: guinea pig
Result: Non-sensitizing.
Literature data.

12. Ecological Information

Fish

Acute:
EPA 72-1 Flow through.
Pimephales promelas/LC50 (96 h): 9,640 mg/l
Literature data.

Aquatic invertebrates

Acute:
static
Daphnia magna/EC50 (24 h): > 10,000 mg/l
Nominal concentration. Literature data.

Aquatic plants

Toxicity to aquatic plants:
DIN 38412 Part 9 static
green algae/Toxic limit concentration (8 d): 1,800 mg/l
Nominal concentration. Literature data.

Microorganisms

Toxicity to microorganisms:
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.

13. Disposal considerations

Waste disposal of substance:

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Recommendations: Use excess product in an alternate beneficial application. Dispose of in accordance with national, state and local regulations.

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) WASTE

Sea transport

IMDG

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

Air transport

IATA/ICAO

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

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Not hazardous;

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>
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MA, NJ, PA

67-63-0

2-Propanol

16. Other Information

HMIS III rating

Health: 2 \square Flammability: 3 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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.

MSDS Prepared by:

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MSDS Prepared on: 2010/04/20

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