

CONCRETE REMOVER



Date Issued: 01/04/2019

Rev. date: 01/04/2019

Product: CONCRETE REMOVER

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COMPANY DETAILS

Name: BD Chemicals

Emergency Tel. No. (011)7765076/0834693828/0783892507

Address: 56 Stanley Rd Knights Germiston, Gauteng, South Africa

Postal Address: PO Box 4120 Germiston South 1411

Tel. No. (011) 7765076

1. PRODUCT IDENTIFICATION

Trade Name:

CONCRETE REMOVER

Description:

CONCRETE REMOVER is a blend of acids and detergents for the removal of concrete, mortar and plaster from concrete trucks, mixing equipment, tools, wheelbarrows, floors bricks and tiled surfaces

2. HAZARDOUS COMPONENTS

	CAS#	ECC Class	%
Hydrochloric Acid	7697-37-2	231-595-7	15 - 30
Alkylphenol Ethoxylate	9016-45-9	****	2 - 5



3. HAZARD IDENTIFICATION

Main hazard	Chemical burns to skin, eyes, mucous membranes of mouth, throat and esophagus
Explosive hazard	Not applicable
Fire	Not Flammable
Chemical hazard	If mixed with chlorinated detergents or sanitizers – forms hazardous vapors.
Health effects - eyes	Causes chemical burns. Immediate water flushing is vital in case of eye contact.
Health effects - skin	Causes chemical burns. Harmful contact may not cause immediate pain.
Health effects - ingestion	HARMFUL Causes chemical burns of mouth, throat and stomach
Health effects – inhalation	Damages airways and lungs, depending upon amount and duration of exposure. Effect vary from irritation to bronchitis or pneumonia, depending on exposure. People with lung problems may be more affected


 Management System
 ISO 9001:2015

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QUALITY ASSURANCE: This product is manufactured in South Africa by BD Chemicals (Pty) Ltd under an ISO 9001 QUALITY MANAGEMENT SYSTEM, Certificate Number. 01 100 928474

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4. FIRST AID

Product in eyes:	Flush at once with cool running water. Remove contact lenses. Continue flushing for at least 15 min, holding eyelids apart so as to rinse entire eye. CALL A PHYSICIAN IMMEDIATELY.
Product on skin:	Immediately flush skin with plenty of cool running water for at least 15 min while removing contaminated clothing and shoes; discard or wash well before reuse.
Product ingested:	Rinse mouth at once; then drink 1 or 2 glasses of water. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.
Product inhaled:	Immediately move to fresh air

For any serious contact situation – GET MEDICAL ATTENTION

5. FIRE FIGHTING MEASURES

Extinguishing media	Use method appropriate for surrounding fire, the product does not support combustion.
Special hazards	High temperatures may generate hazardous decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use proper protective equipment
Environmental precautions	Runoff or dilution water may be corrosive
Small spills	Using water, flush to sewer. Can be neutralized before flushing to sewer.
Large Spills	Dike or dam large spills. Pump to containers or soak up with an inert absorbent. Using Water, flush residue to sewer


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7. HANDLING AND STORAGE

Suitable material	Store in original packaging
Loading/unloading precautions	Wear protective equipment
Handling/storage precautions	Wear protective equipment. Avoid contact with skin, eyes and mucous membranes. Minimize spray mists/vapors. Store in cool, dry well ventilate place

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protection- respiratory	Avoid breathing mists or vapors of this product
Personal protection - eyes	Wear chemical splash goggles. For continued or severe exposure wear a face shield over goggles.
Personal protection - skin	Wear any industrial rubber gloves, synthetic apron, other protective equipment as necessary to prevent skin contact
Other	Access to emergency eye wash and shower is recommended



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odor	Pungent Acid Odour
pH	←2.0 (1%)
Specific Gravity	1.180 (20°C)
Solubility - water	Mixes with water in all proportions
Flammability	Not Flammable
Flash point	Boils without flashing
Melting point	Not applicable
Boiling point	→ 100°C
Auto-flammability	Not applicable
Explosive properties	Not applicable
Vapor pressure	Not applicable


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10. STABILITY AND REACTIVITY

Conditions to avoid	Dilute product by slowly adding to water. Do not mix with chlorinated products – will cause hazardous vapours
Stability	Stable under normal conditions of use and handling
Hazardous decomposition products	High temperature may generate hazardous decomposition products including oxides of Nitrogen

11. TOXICOLOGICAL INFORMATION

Acute exposure	Corrosive to skin, eyes,
Chronic exposure	Hydrochloric Acid may be associated with changes in pulmonary function, chronic bronchitis, conjunctivitis
Carcinogenicity	Nil
Mutagenicity	Nil
Neurotoxicity	Headache can occur
Reproductive hazards	Not expected to impair fertility

12. ECOLOGICAL INFORMATION

General	Large quantities released will produce pH level changes.
Aquatic	Contamination of Aquatic systems should be avoided.
Biodegradability	Biodegradable. Readily Absorbed into the soil
Bio-accumulation	Slight bio-accumulation potential

13. DISPOSABLE CONSIDERATIONS

Unused products are corrosive, consult local authorities for limits on chemical waste disposal. Rinse out empty container thoroughly with water before disposal.

14. TRANSPORT INFORMATION

UN No.	3264
Packing Group	III
Class	8


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15. REGULATORY INFORMATION

RISK PHRASES

Risk phrases:

R35; Causes severe corrosive burns

R23; Toxic by inhalation

R24; Toxic in contact with skin

25; Toxic when inhaled and swallowed, and when coming into contact with skin.

Safety phrases:

S2; Keep out of reach of children

S3; Keep in a cool place

S7; Keep container tightly closed

S9; Keep container tightly closed in a cool well ventilated place

S26; Upon contact with the eyes, rinse thoroughly with water and consult a doctor

S36; Wear suitable protective clothing

S39; Wear eye/face protection

16. OTHER INFORMATION

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, No WARRANTY, EXPRESS OR IMPLIED, IS MADE TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

Rev. no.	Rev. date	Reason for revision	Responsible person
0	15/06/2016	First issue in 16-point format	Richard Gaddi


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