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Rev. date: 15/06/2016

Product: SS CLEAN

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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:	SS CLEAN
Description:	Concentrated Acidic Stainless Steel Cleaner

2. HAZARDOUS COMPONENTS

Hazardous components	CAS#	ECC CLASS	%
Phosphoric Acid	7664-38-2	10 - 15	1 - 5
Alkylphenol Ethoxylate	9016-45-9	2 - 4	3 - 5



3. HAZARD IDENTIFICATION

Main hazard	Chemical burns to skin, eyes, mucous membranes of mouth, throat and esophagus
Explosive hazard	-
Fire	Not Flammable
Chemical hazard	Do not mix with chlorinated detergents or sanitizers.
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


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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 on inter absorbent. Using Water, flush residue to sewer



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7. HANDLING AND STORAGE

Suitable material	-
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 colourless liquid
Odor	Odorless
pH	←2.0
Specific Gravity	1.10 (20°C)
Solubility - water	Mixes with water in all proportions
Flammability	Not Flammable
Flash point	-
Melting point	-
Boiling point	→ 100°C
Auto-flammability	-
Explosive properties	-
Vapor pressure	-



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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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10. STABILITY AND REACTIVITY

Conditions to avoid	Dilute product by slowly adding to water. Do not mix with chlorinated products.
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	None expected during normal use May cause eye irritation upon direct contact with eyes.
Chronic exposure	-
Carcinogenicity	-
Mutagenicity	-
Neurotoxicity	-
Reproductive hazards	-

12. ECOLOGICAL INFORMATION

General	Large quantities released will produce pH level changes.
Aquatic	Contamination of Aquatic systems should be avoided.
Biodegradability	Readily Bio degradable
Bio-accumulation	None Expected

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.	3082
Packing Group	III
Class	9



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15. REGULATORY INFORMATION

RISK PHRASES

Risk phrases:

R35 Causes severe corrosive burns

R23/24/25 Toxic when inhaled and swallowed, and when coming into contact with skin.

Safety phrases: S2 Keep out of reach of children

S36/37/39 Wear suitable protective clothing, protective gloves and goggles/face mask for all work.

Safety phrases:

S3/7/9 Keep container tightly closed in a cool well ventilated place

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

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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