

AUTODISH

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Rev. date: 31/10/2016

Product: AUTODISH

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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:	AUTODISH
Description:	Automatic low foaming dishwashing concentrate for hotel, restaurant and industrial use

2. HAZARDOUS COMPONENTS

	CAS#	ECC Class	%
Sodium hydroxide (caustic soda)	1310-73-2	1310-73-2	10 - 15
Non-Ionic Surfactant Blend	26468-86-0, 54549-24-5	****	3 - 5
Chelating agents	6381-92-6	****	1 - 5

**3. HAZARD IDENTIFICATION**

Main hazard	Irritant or has a corrosive effect on prolonged skin contact, avoid eye contact with concentrate at all cost.
Explosive hazard	Not Applicable
Fire	Does not support combustion
Chemical hazard	Do not mix with acids or ammonia – will cause hazardous vapours. Reacts with soft metals producing flammable hydrogen gas
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	Causes chemical burns of mouth, throat and stomach
Health effects - inhalation	Damages airways and lungs, depending upon amount and duration of exposure. Effects 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. If breathing is difficult administer oxygen, if breathing stopped give artificial respiration.

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 including chlorine or hydrogen chloride gas

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use proper protective equipment
Environmental precautions	Prevent release of product to sewers & waterways
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	Polyethylen Containers, Original Containers
Loading/unloading precautions	Wear protective equipment
Handling/storage precautions	Store in cool, dry well ventilated place. Store away from acid based products.

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 light yellow liquid
Odor	No Odour
pH	13 - 14 (1%)
Specific Gravity	1.20 (20°C)
Solubility - water	Mixes with water in all proportions
Flammability	Not Flammable
Flash point	Not Applicable
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	Reacts vigorously with acids. Reacts with soft metals i.e. aluminium or zinc, producing flammable hydrogen gas. Mixing with acid or ammonia causes hazardous and irritating vapours
Stability	Stable under normal conditions of use and handling
Hazardous decomposition products	Not Known

11. TOXICOLOGICAL INFORMATION

Acute exposure	Corrosive burns
Chronic exposure	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
Neurotoxicity	No data available
Reproductive hazards	No data available

12. ECOLOGICAL INFORMATION

General	Large quantities released will produce pH level changes.
Aquatic	Contamination of Aquatic systems should be avoided.
Biodegradability	Readily Biodegradable
Bio-accumulation	Not expected to bio accumulate

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.	1824
Packing Group	II
Class	8



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15. REGULATORY INFORMATION

RISK PHRASES

Risk phrases:

R36/38 Irritates eyes and skin

Safety phrases:

S2 Keep out of reach of children

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.

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0	31/10/2016	First issue in 16-point format	Richard Gaddi



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