

# TITAN OVEN CLEANER



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Product: TITAN OVEN CLEANER

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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:	TITAN
Description:	Heavy Duty Foaming Industrial Oven cleaner

## 2. HAZARDOUS COMPONENTS

Hazardous components	CAS#	ECC CLASS	%
Sodium hydroxide (caustic soda)	1310-73-2	215-185-5	10 - 15
Butyl monoether glycol	111-76-2	203-905-0	1 - 3
Sodium lauryl ether sulfate	9004-82-4	****	1 - 3



## 3. HAZARD IDENTIFICATION

Main hazard	Causes chemical burns
Explosive hazard	None
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. NOT COMPATIBLE WITH ALUMINIUM.
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. <b>CALL A PHYSICIAN IMMEDIATELY.</b>
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. <b>DO NOT</b> induce vomiting. <b>NEVER</b> 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 including chlorine or hydrogen chloride gas

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use proper protective equipment
Environmental precautions	Small amounts (less than 5 liters) of unwanted product may be flushed with water into drains, larger volumes must be sent for disposal as special waste.
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	Polyethylene containers, use original containers
Loading/unloading precautions	Wear protective equipment
Handling/storage precautions	Wear protective equipment. Store in cool, dry well ventilated 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	Viscous Clear/Yellowish Liquid
Odor	No Odour
pH	11 – 12.5(1%)
Specific Gravity	1.20 (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	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	Thermal decomposition or combustion products may include irritating gases or vapours

## 11. TOXICOLOGICAL INFORMATION

Acute exposure	Corrosive burns
Chronic exposure	Not applicable
Carcinogenicity	Not applicable
Mutagenicity	Not applicable
Neurotoxicity	Not applicable
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	Product is bio-degradable in diluted form
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:**

R21; Harmful in contact with skin

R22; Harmful if swallowed

R36; Irritating to eyes

R38; Irritating to skin

**Safety phrases:**

S2; Keep out of reach of children

S3; Keep in a cool place

S24; Avoid contact with skin

S25; Avoid contact with eyes

S26; In case of contact with eyes rinse immediately with plenty of water and seek medical attention.

## 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	10/06/2016	First issue in 16-point format	Richard Gaddi


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