



D'Bond Heavy Duty Alkaline Degreaser

Chemical Product and Company Identification

CHEMICAL NAME : Liquid Alkaline Cleaner
FORMULA : Priority
MANUFACTURER : **CSG INDUSTRIES PTE LTD**
No. 50, Tuas Avenue 11, #01-22 Tuas Lot
Singapore 639107
Tel: (65) 62620800 Fax: (65) 62684500

Composition and Information on Ingredients

Sodium Hydroxide (50%) : 15% – 25%
Nonionic Surfactant (50%) : 2% – 5%
Ethylene Glycol Monoalkyl Ether : 5% – 15%

Health Hazard Data

HUMAN HEALTH HAZARDS – ACUTE:

INHALATION : Corrosive to respiratory system
SKIN CONTACT : Corrosive; causes burns
EYE CONTACT : Corrosive; causes burns. May cause permanent damages to eyes
INGESTION : Corrosive; causes burns to gastro-intestinal tract. Nausea, vomiting and stomach pain may occur. In severe cases, person may vomit blood
HUMAN HEALTH HAZARDS – CHRONIC : None known
ENVIRONMENTAL HAZARDS : None known
PHYSICAL AND CHEMICAL HAZARDS : Produces hydrogen if comes into contact with metals

First Aid Procedures

EYES : Flush with plenty of water for at least 15 minutes. Move eyeball and keep eyelid wide open while irrigating. Seek for medical attention
SKIN : Remove contaminated clothing. Flush with plenty of water. If the skin is severely burned, cover the area with clean, dry and non-fluffy material and seek for medical attention



Material Safety Data Sheet

- INHALATION : Move to areas with ventilation for fresh air and rest. Seek for medical attention immediately
- INGESTION : Do not induce vomiting without medical advice. If conscious, rinse mouth and drink plenty of water. Seek for medical attention immediately

ADDITIONAL INFORMATION

Note to Physician: Probable mucosal damage may contraindicate the use of gastric larvae. Measures against circulatory shock, respiratory depression and convulsions may be needed

Fire and Explosion Data

- EXTINGUISHING MEDIA : Not expected to burn. Use extinguishing media appropriately for surrounding fire
- UNSUITABLE EXTINGUISHING MEDIA : Not applicable
- SPECIAL FIRE FIGHTING PROCEDURES : Wear a full positive-pressure self-contained breathing apparatus and protective suit
- FIRE & EXPLOSION HAZARD : Oxides of sodium

Accidental Release Measures

- PERSONAL PRECAUTIONS : Wear chemical resistant apron, chemical splash goggles, impervious gloves and welling boots. A full sticker suit is recommended whenever there is gross exposure
- ENVIRONMENTAL PRECAUTIONS : Do not enter sewers or water courses without the consent of the water authorities. If spillage does enter sewers or water courses, immediately inform the appropriate water authorities
- METHODS FOR CLEANING UP : Contain and absorb with sand or vermiculite and mix well. Collect and remove to a safe place until disposal. Wash spillage site thoroughly with water. Assistance can be obtained from waste disposal companies

Handling & Storage

- HANDLING : Avoid contact with eyes, skin and clothing. Avoid generating aerosols and mists. Avoid using aluminium, zinc, copper and their alloys as it can react with metals to produce hydrogen
- STORAGE : Ensure container is tightly closed and keep it from freezing. Avoid storage for more than two years
- CONSTRUCTION MATERIAL COMPATIBILITY : Equipment for storage and application should be constructed from stainless steel

Ventilation & Personal Protective Equipment



Material Safety Data Sheet

ENGINEERING MEASURES	:	No special ventilation required. Avoid generating and inhaling mists or aerosols
RESPIRATORY	:	Not required. If significant mists, vapours or aerosols are generated, an approved respirator is recommended
EYES	:	Splash-proof chemical goggles
HAND	:	PVC gloves, neoprene gloves or nit rile gloves
SKIN	:	Apron and boots
HYGIENE RECOMMEDATIONS	:	Standby an eye-wash fountain as well as a safety shower

Physical and Chemical Properties

BOILING POINT	:	Approx.110°C
VAPOUR PRESSURE, mm Hg	:	18mm Hg at 20°C
MELTING RANGE	:	< 0°C
SOLUBILITY IN WATER % BY WT	:	Complete
pH (1% Solution)	:	at received 11 – 13
SPECIFIC GRAVITY	:	1.0 – 1.1 at 20°C
APPEARANCE	:	A clear liquid

Stability and Reactivity Data

CONDITIONS CONTRIBUTING TO INSTABILITY	:	Product is stable
MATERIAL TO AVOID	:	Acids
HAZARDOUS DECOMPOSITION PRODUCTS	:	Oxides of sodium
CONDITIONS TO AVOID	:	Freezing temperatures

Disposal Considerations

Dispose via an authorized contractor. Do not discharge into drains or the environment; instead dispose to an authorised waste collection point in accordance to local, state or national legislation

Transport Information

CLASS	:	8
PACKING GROUP	:	II
UN NO	:	3266
PROPER SHIPPING NAME	:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.Contains: Sodium hydroxide



Material Safety Data Sheet

Regulatory Information

HAZARD SYMBOL : CORROSIVE

CONTAINS : Sodium Hydroxide

Other Information

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user himself must be satisfied that the product is entirely suitable for his purpose.