



D'Bond Tank Cleaner (Water-based)

Chemical Product and Company Identification

CHEMICAL NAME : Water-based Tank 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%) : 20% – 26%
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 damage 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

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
INHALATION : Move to areas with ventilation for fresh air and rest. Seek for medical attention immediately



Material Safety Data Sheet

INGESTION : Do not induce vomiting without medical advice. If conscious, rinse mouth and drink plenty of water. Immediately seek for medical attention

ADDITIONAL INFORMATION

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. 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 wellington boots. A full sticker suit is recommended when 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 nitrile gloves
SKIN	:	Apron and boots
HYGIENE RECOMMENDATIONS	:	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.