



DX TANK CLEANER

SAFETY DATA SHEET



1. IDENTIFICATION OF THE PRODUCT & OF THE COMPANY

Product Name : DX TANK CLEANER
Address : HYPRED SA
55 BD, JULES VERGER. BP 10180.
35803 DINARD CEDEX.
TELEPHONE : 08456 032061
IN AN EMERGENCY DIAL 999

2. COMPOSITION / INFORMATION

Chemical nature of the product :

LIQUID CHLORINATED ALKALI

Substance(s) contributing to the hazards :

Sodium hydroxide \geq 5% +

5% \leq Sodium hypochlorite \leq 10%

Other hazardous substance(s) according to 1999/45/

EC Directive : Not concerned

Substance(s) / CAS number(s) / EINECS number(s) :

Sodium hydroxide / 1310-73-2 / 215-185-5

Sodium hypochlorite / 7681-52-9 / 231-668-3

Symbol(s) - R Phrase(s) :

Sodium hydroxide : C; R35;

Sodium hypochlorite : **C;N; R31;R34;R50**

3. HAZARDS IDENTIFICATION

The product is considered as a hazardous preparation according to 1999/45/EC Directive.

Hazard symbol(s) : C : CORROSIVE

Main risks : Contact with acids liberates toxic gas.
Causes severe burns.

Environmental risks : No dangerous environmental effect when instructions for use are followed.

4. FIRST AID MEASURES

Skin contact : Take off immediately all contaminated clothing. Wash immediately with plenty of water for 15 minutes at least. Consult a dermatologist.

Eye contact : Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open. Immediately consult an ophthalmologist, even in the absence of apparent damages.

Ingestion : Rinse the mouth. Do not induce vomiting. Send to hospital.

Inhalation: Bring to fresh air. Put into practice respiratory help procedure if needed and get medical advice immediately.

5. FIRE-FIGHTING MEASURES

Specific risks : DX TANK CLEANER is non-flammable.

Recommended extinguishing media :

Agents compatible with other products involved into fire.

Extinguishing media to be avoided :

None from our knowledge.

Protective equipment : Wear independent respiratory equipment and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :

Respect protective measures presented at heading 8.

Respect protective measures presented at heading 5.

Environmental precautions :

Intervention limited to trained staff. Do not discharge the product directly to sewer or to environment.

Take as soon as possible all incompatible materials away.

Method(s) for cleaning up :

Small spillage : Wash with plenty of water.

Large spillage : Mark out, dyke up with an absorbent (ex. sand, sawdust) and pump in an emergency tank.

7. HANDLING AND STORAGE

Handling : Do not mix with acids.

Immediately take off all contaminated clothing.

Avoid discharge when using.

Storage : Keep only in the original container.

Keep container closed. Keep in a cool place.

Keep away from products sensitive to chlorinated alkalis.

Packaging materials : High density polyethylene recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values: SHydroxide OES(15min)2mg/m3

Personal protection equipment :

Hand protection : Wear protective gloves with chemical resistance (PVC type).

Eye / face protection : Wear protective glasses.

Skin / body protection : Wear boots and a protective cloth with chemical resistance (PVC type).

Specific hygiene measures : Safety shower and eye wash fountain near to work place. After using, wash systematically all personal protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear liquid

Colour : Yellow

Odour : Chlorinated

Freezing point : -20 °C

Flash point : Not applicable

Solubility : Soluble in water in all proportions

Pure pH : 14+/-0.5

pH value at 10 g/l: 12,4 +/- 0,2

Mass density : 1,2 +/- 0,01 g/cm3

10. STABILITY AND REACTIVITY

Hazardous reaction(s) : Exothermic reactions with acids.

Condition(s) to avoid : Light, heat.

Material(s) to avoid : Light metals and acids.

Hazardous decomposition products : Contact with acids liberates gaseous chlorine.

11. TOXICOLOGICAL INFORMATION

According to acute toxicity results of dangerous substance(s) and 1999/45/EC Directive :

DX TANK CLEANER is not considered as :

- harmful preparation by contact with skin.

- harmful preparation if swallowed.

- harmful preparation by inhalation, but it has corrosive properties whose local effects are presented below.

Local effects

Skin contact : Corrosive : Causes severe burns.

Eye contact : Corrosive : Causes severe burns.

Risk of serious damage to eyes if not treated immediately.

Ingestion : Causes severe burns in mouth and digestive tract.

Inhalation : Aerosols can induce respiratory tracts irritation.

12. ECOLOGICAL INFORMATION

According to acute ecotoxicity results of dangerous substance(s) and 1999/45/EC Directive :

DX TANK CLEANER is not considered as :

- dangerous preparation regarding to environment.

Other indications : In accordance with directives concerning the biodegradability of surfactants contained in detergents (73/404/EC Directive, ..., 86/94/EEC Directive).

13. DISPOSAL CONSIDERATIONS

Waste treatment : Disposal according to local, federal or state legislation. Do not discharge the product directly to sewer or environment.

Packaging treatment : Packagings not be re-used (excepted incase of exemption and in accordance with the regulations in force). Rinse thoroughly the packaging with water and treat the effluent like wastes.

14. TRANSPORT INFORMATION

ROAD TRANSPORT : Rail/Road (RID/ADR)

Transport denomination : CAUSTIC ALKALINE LIQUID, NOS (Sodium hydroxide + Sodium hypochlorite)

Class : 8.

Packaging group : III.

Hazard Code : 80.

Un No: 1719.

SEA TRANSPORT : IMDG

Transport denomination : CAUSTIC ALKALINE LIQUID, NOS (Sodium hydroxide + Sodium hypochlorite)

Marine pollutant :

15. REGULATORY INFORMATION

The product is considered as a hazardous preparation according to 1999/45/EC Directive.

Hazard symbol(s) : C : CORROSIVE

Substance(s) leading to the classification of the

product : Sodium hydroxide \geq 5% +

5% \leq Sodium hypochlorite \leq 10%

R Phrase(s) - S Phrase(s) :

R31 : Contact with acids liberates toxic gas.

R35 : Causes severe burns.

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

S50a : Do not mix with an acid.

16. OTHER INFORMATION

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known. In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfil the duties involved in the use of the product.

This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with - according to other laws than the ones here by stated and applicable to holding and usage of the product - demands for which they will remain sole responsibility.