CAPRICHEM (Pty) Ltd.

Committed to Service

SPECIALISTS IN INDUSTRIAL CHEMICALS & CONTRACT MANUFACTURING

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND OF THE COMPANY/UNDERTAKING

Product name : Oxide H.P.
Product code : OXI H.P.
Function : Heavy duty peroxide bleaching agent.
Supplier : Caprichem (Pty) Ltd P.O.Box 160, Blackheath, 7581

Company Telephone no : (021) 905-4712
Emergency Number : 082-898-9265
Contact person : Robert Jonas
Reg.No : 1998/016011/07

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
1. Aqua	7732-18-5	
2. Hydrogen Peroxide	7722-84-1	
3. Stabilizer		

3. HAZARDS IDENTIFICATION

Oxidizing Agent
If inhaled, could be harmful.
Contact causes severe burns to skin and eyes.
Fire could produce irritating or poisonous gases.
Runoff from fire-control or dilution water could cause pollution.
Irritating to skin, eyes, and mucous membranes.
Observe for bronchitis, or possible pulmonary edema.
May cause severe eye damage.
Abdominal distention if ingested.

4. FIRST-AID MEASURES

Eye contact
Symptoms : Contact causes severe burns to eyes.
Prevention : Safety glasses could be worn.
First-aid : In case of contact, immediately flush eyes with water for at least 15 minutes and get medical attention if irritation persists.

Skin contact
Symptoms : Contact causes severe burns to skin.
Prevention : Wear suitable personal protection equipment, including safety goggles and face shield, boots, coveralls, & respiratory protection.
First-aid : Remove clothing. Wash with soap and water.

Inhalation
Symptoms : None known.
Prevention : None known
First-aid : Give oxygen. Perform mouth to mouth resuscitation if not breathing. Seek medical attention.

Ingestion
Symptoms : Nausea and vomiting.
Prevention : Store away from food stuffs.
First-aid : Induce vomiting. Drink large quantities of water. Seek medical attention immediately.

5. FIRE-FIGHTING MEASURES

Small Fires : Water only, no dry chemicals, CO2 or Halon.
Large Fires : Flood fire area with water.
Do not move cargo or vehicle if cargo has been exposed to heat. Cool containers that are exposed to flames with water from the side until well after the fire is out. For massive fire in cargo area, use unmanned hose holder or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

6. ACCIDENTAL RELEASE MEASURES

Full protective clothing including breathing apparatus
Dilute (substance may be washed to drain with a lot of water)
Precautions : Restrict access to area. Provide adequate protective equipment and ventilation.
Remove sources of heat and flame. Notify occupational and environmental authorities.

Spill or leak : Keep combustibles (wood,paper,oil,etc) away from hazard area. Do not touch spilled material.
Stop leak if you can do it without risk. Use water spray to reduce vapours.

Small spills : Flush area with flooding amounts of water.
Large spills : Dike liquid spill for later disposal.

7. HANDLING AND STORAGE

Fire separation of at least 5M or 4Hr fire resistant wall from the following classes is recommended.
Organic Peroxides Poison
Corrosives

Storage in the same room or space is prohibited with the following classes:
The rooms or spaces should be at least 10M apart.
Explosives Flammable Gases
Poisonous Gases Flammable Liquids
Flammable Solids Spontaneously Combustibles
Dangerous When Wet Radioactive

Packaging: HDPE plastic containers.
Handling : Avoid contact with skin, eyes and clothing.
Storage : Keep in cool, dry ventilated place. Keep out of reach of children. Store away from heat and naked flames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits : T W A OEL-RL SHORT TERM OEL-RL

PPMa)	MG/M3b)	PPMa)	MG/M3b)
1	1.5	2	3

Controls : The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed. Have a safety shower/eye wash fountain readily available in the immediate work area.

Personal Protection : If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls, & respiratory protection. Have appropriate equipment available for use in emergencies.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Colour	:	Clear, colourless liquid
Odour	:	Slightly sharp odour
Density	:	1,150
Solubility in water	:	Fully soluble
pH	:	4 max
Flash Point	:	N/A

10. STABILITY AND REACTIVITY

Conditions to avoid : Excessive heat.
Contamination of any kind of reducing agents, rust, dirt, organic material or chemicals with pH above 4.

Incompatible Materials : Iron or other heavy metals, galvanizing, copper and alloys, dirt, wood, paper, and other combustibles.

Other : Oxygen supports combustion.
Decomposition releases steam/heat.

11. TOXICOLOGICAL INFORMATION

Highly toxic - TLV (1 - 10 ppm).
Vapours and mist are extremely irritating.
No chronic systematic effects are known.
Has been found to cause cancer in lab animals.
Evidence of mutagenic effects.

12. ECOLOGICAL INFORMATION

No ecological problems are expected when the product is handled and used with due care.
Toxic to fish, daphnia and algae.
Considerable abiotic and biotic degradability.
Non-bioaccumulable

13. DISPOSAL CONSIDERATION

Disposal Method Product : There are no uniform EC regulations for the disposal of chemicals or residues.
Chemical residues generally count as special waste.
The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations.
We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal Method Packaging : Disposal in accordance with local legal provisions.

14. TRANSPORT INFORMATION

UN No	2014	**Hazchem Code**	2PE
ERG No	140	**EAC**	45
ARD/RID Class	5.1		
IMDG-Shipping Name	UNNA: UN2984 PG:1		
IMDG Code	5043	**IMDG-Packaging Group**	II
Marine Pollutant	False		
Class	Class: 5.1 Oxidizing Agent Group: II		
Subsidiary Risks	Corrosive oxidizing liquids		
Tremcard Number	43/80G20		

15. REGULATORY INFORMATION

EEC Hazard Classification	:	5.1
Risk Phases	:	R34 - Causes burns
Safety Phases	:	S28 - After contact with skin, wash with plenty of water S29 - do not empty into drains
National Legislation	:	OHSA 85 of 1993 - section 43

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of issue and covers applications when used as directed. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the relevant legislation are complied with.