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Unit 3, 237 Collier Road, Bayswater, Western Australia 6053

Rimon Australia Pty Ltd trading as A Plus Chemical & Fragrances A.C.N. 079 942 537

MATERIAL SAFETY DATA SHEET

NAME: HYPO

Date of issue: 22 August 2012

Page 1 of 4

Product Name: Hypo

Other Name: Sodium Hypochlorite 12.5%

UN Number: 1791

Dangerous Goods Class: 8

Subsidiary Risk: N/A

Hazchem Code: 2R

Packaging Code: III

Poisons Schedule Number: S5

HAZARD IDENTIFICATION

Hazardous according to criteria of Worksafe Australia.

Risk Phrases: R31 Contact with acids liberates toxic gases

R34 Causes burns

Safety Phrases: S25 Avoid contact with eyes

S26 In case of contact with eyes, rinse immediately with plenty of water. Contact a doctor.

S28 After contact with skin, wash immediately with plenty of water.

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

Use and Application: Uses include cleaning, disinfection and bleaching.

PHYSICAL DESCRIPTION/PROPERTIES:

Appearance & Odour: Clear, yellow-green liquid with smell of chlorine..

Boiling Point/Melting Point (C): 108 °C Approx

Vapour Pressure mmHg C: N/A

LEL: N/A **UEL:** N/A

Specific Gravity: 1.1

Flashpoint (°C): Not flammable

Solubility in water: Can be diluted with water

OTHER PROPERTIES: Strong corrosive and moderate oxidising agent.



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Page 2 of 4

COMPOSITION:

<u>Chemical Entity:</u>	<u>CAS Number</u>	<u>Proportion</u>
Sodium hypochlorite	7681-52-9	12.5%
Sodium hydroxide	1310-73-2	1%
Water		Balance

HEALTH HAZARD INFORMATION

HEALTH EFFECTS:

Corrosive and irritating if swallowed or ingested. Dangerous in contact with eyes.

ACUTE EFFECTS

Swallowed: Severe internal irritation due to corrosive effect.

Eye: Severe irritation and burns.

Skin: Irritation and burns.

Inhaled: Irritation of respiratory tract, resulting in coughing and breathing difficulty caused by chlorine gas.

CHRONIC EFFECTS

N/A

FIRST AID:

Swallowed: If Swallowed wash out mouth with water and give water to drink. DO NOT induce vomiting. Seek immediate medical attention.

Skin: Wash thoroughly with large amounts of water. Remove affected clothing and wash underlying skin.

Inhaled: If inhaled remove to fresh air. Keep warm and rest.

Eyes: Rinse immediately with plenty on water for at least 15 minutes. Always seek medical advise.

ADVICE TO DOCTOR: Contact Poison Information Centre. Treat symptomatically. Eye contact requires immediate and thorough irrigation with water. Contact eye specialist.

FIRST AID FACILITIES: Ensure an eye wash is available for immediate use.



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Page 3 of 4

FIRST AID (Continued):

PRECAUTIONS FOR USE:

Exposure Standards: For chlorine gas itself, 1 part per million (Peak Limitation).

Engineering Controls: Use in open and/or well ventilated areas.

Personal Protection: When there is a risk of spill or splash, wear suitable chemical goggles, safety helmet with face shield, or face shield and disposable Tyvek cap, PVC gloves, rubber boots and PVC jacket and trousers. If there is a risk of inhaling chlorine gas, wear a suitable cartridge respirator as the minimum protection.

Flammability: Material is non flammable.

SAFETY HANDLING INFORMATION

Storage and Transportation: Store in high-density polyethylene containers.

Ensure that:

- Product is stored away from ammonium salts and other Class 8 corrosive substances.
- Safety showers and eyewash facilities are available in the storage area.
- The storage area has an impermeable floor, which can be washed down in such a way that product does not mix with incompatible substances.
- Storage area is cool, well ventilated and protected from sunlight.

If storage near ammonium salts or other Class 8 corrosive substances is unavoidable, use a non-permeable screen wall with a four hour fire rating for separation.

Transport as for Class 8 (corrosive) substances. For detailed storage and transport information contact Explosives and Dangerous Goods Division, WA Dept. of Minerals and Energy or a suitable consultant.

Handling and Usage:

Handle and decant the product in a way, which reduces the chance of spillage and accidental contact with other substances. Decant into clean washed out containers set aside for the purpose.



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Page 4 of 4

Spills and Disposal:

Minimise leaks and/or contain spills. For minor spills wash down with plenty of water. For larger spills use sand and collect as much of the spilled product as possible in plastic drums before washing down. Wear suitable protective equipment as above. Dispose of collected product at an approved site.

Fire/Explosion Hazard:

In the event of a fire in premises or a vehicle containing the product, wear self-contained breathing apparatus. Keep stored product cool with water spray to prevent chlorine being given off. If the solution dries out, the solid residue is highly explosive, and will assist combustion of organic materials. Decomposition of the solution from heat may cause containers to rupture or explode.

Other Information:

Contact with acids can cause chlorine gas to be given off rapidly.
Sodium hypochlorite solution is also chemically sensitive to temperature, aging and metals.

***NOTE**

The information contained in this bulletin is offered on data that we believe to be reliable and has been prepared in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control.

KEEP ALL CHEMICALS AWAY FROM CHILDREN

Contact Point: The Manager

A Plus Chemicals and Fragrances

Unit 3 237 Collier Road

Bayswater WA 6053

Emergency Telephone No.: 08 9370 4829

Mobile Telephone: 0410 302 200