Safety Data Sheet

Power Spray

1: Identification of the material and supplier

Names

Product Name:	Power Spray
Other Name:	
Supplier:	Chemform Pty Ltd (ABN: 50 008 905 119) 7 Kirke Street, Balcatta, WA 6021 Phone (08) 9344 2455 Fax: (08) 9344 4360 Email: admin@chemform.com.au
Emergency Telephone:	Poisons Information Centre (Australia) 13 1126
Recommended Use:	Decarboniser, degreaser and paint stripper by spray/recirculation technique, for ferrous metals only

2: Hazardous Identification

Statement of Hazardous/ Dangerous Nature: Classified as hazardous according to the criteria of SafeWork Australia and classified as dangerous goods according to Australian Dangerous Goods Code.

Hazard Classification:	C	Corrosive
Risk Phrase:	R35	Causes severe burns
Safety Phrases:	S1/2	Keep locked up and out of reach of children.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37/39	Wear suitable gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately.

3: Composition/Information on Ingredients

INGREDIENT	CAS NUMBER	PROPORTION
Sodium Hydroxide	1310-73-2	>60% w/w
Classified as non-hazardous ingredients		To 100%

4: First Aid Measures

Ingestion:	If swallowed, do NOT induce vomiting.
Eyes:	If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. Seek urgent medical assistance.
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Advice to Doctor:	Treat symptomatically as for strong alkali. Can cause corneal burn. Mucosal damage may contraindicate the use of gastric lavage.
First Aid Facilities:	Eye wash station, fresh water
Long Term Effects:	None known

5: Fire Fighting Measures

General Comment: The product is non combustible.
Specific Hazards: The product is a strong alkali and will react with aluminium to produce hydrogen, a flammable gas.
Hazchem Code: 2X

6: Accidental Release Measures

Personal Precautions: Keep unnecessary personnel away.

Spills and Disposal: Slippery when wet. Shovel up, collect and seal in properly labeled drums for disposal. Residues may be washed away with water.

7: Handling and Storage

Handling: Always add product to water with stirring. Beware heat is generated when the product is added to water. Minimise direct contact with product.

Storage: Always replace lid on container after use.

Hygiene Measures: Always wash hands before eating, drinking, smoking or using the toilet.

Ensure emergency safety shower is located close to work station and that emergency safety shower is hooked up to an alarm system so other workers are made aware and can assist in an emergency.

8: Exposure Controls – Personal Protection

National Exposure Standards: TWA of 2mg/m^3 as Sodium Hydroxide

Engineering Controls: Avoid generation and inhalation of mists and aerosols.

Personal Protection:

Eyes: Face shield.

Hands: nitrile gloves

Skin: nitrile splash apron and rubber boots.

Inhalation: Dust mask

9: Physical and Chemical Properties

Appearance: White powder
Odour: Nil
pH: 1% solution 13.5
Vapour Pressure: Not applicable
Vapour Density: Not applicable
Boiling Point: Not applicable
Melting Point: Not applicable
Solubility: 200g/litre in water at 20ºC
Specific Gravity: Not applicable

10: Stability and Reactivity

Chemical Stability: The product is stable under normal conditions.
Conditions to Avoid: When adding product to water, always provide agitation or stirring otherwise local boiling may occur.
Incompatible Materials: The product will rapidly dissolve aluminium liberating highly flammable hydrogen gas.
Hazardous Reaction: Reacts violently with acids liberating excessive heat.

11: Toxicological Information

Exposure Limits: Oral lowest lethal dose (Rabbit): 125 mg/kg
LD50 Oral: (Mouse): 40 mg/kg (as sodium hydroxide)
IRRITATION DATA:
Skin: Rabbit 500 mg/24 hours: Severe
Ingestion (acute): Highly corrosive. Low systemic toxicity. Produces burning in the mouth and oesophagus, nausea, vomiting, abdominal pain, oedema (swelling of the larynx) with subsequent suffocation, coma and cardiovascular collapse.
Eye (acute): A severe eye irritant. Highly corrosive to eyes. May cause conjunctivitis, corneal burns and ulceration. Permanent eye damage, including loss of sight, may occur.
Skin (acute): Highly corrosive to skin. Irritant dermatitis may result from working with this material. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact. Skin contact can result in little or no pain thus contamination of gloves or boots can be very damaging.
Inhalation (acute): Not considered a feature of normal use. Inhalation of sprays or mists will result in respiratory irritation and possible harmful corrosive effects including lesions of nasal septum, pulmonary oedema, pneumonitis and emphysema.
Chronic Effects: Repeated or prolonged skin contact can cause chronic dermatitis.

12: Ecological Information

Environmental Protection This substance may be hazardous to the environment.

13: Disposal Considerations

Disposal Methods: Tanks containing the product must not be discharged into the environment. All tanks containing this product must be cooled to room temperature then neutralized by trained personnel before the contents can be trucked away by licensed waste disposal carriers. Disposal of this product and solutions of the product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities.

14: Transport Information

UN Number: 1823
UN Proper Shipping Name: Sodium hydroxide, solid
Class: 8
Subsidiary Risk: None allocated
Packing Group: II
Special Precautions For users: Ensure containers are clearly labeled. Keep containers securely sealed and protected against physical damage. Store away from acids. Do not use aluminium or galvanized containers. Steel or plastic containers suitable.
Hazchem Code: 2X
IERG Number: 37

15: Regulatory Information

Packaging & Labeling: This product contains a Scheduled Poison (S6) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16: Other Information

Prepared By: Brett Amos

Date of Previous Issue: May 2006

Change Made: Full review.

References: Australian Dangerous Goods Code
List of Designated Hazardous Substances
National Code of Practice for the Preparation of Material Safety Data Sheets
Standard for the Union Scheduling of Drugs and Poisons

Contact Person/Point: Australia:
24 HOUR EMERGENCY CONTACT
Poisons Information Centre (Australia) 13 1126

LEGAL DISCLAIMER:
The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

END OF SAFETY DATA SHEET