



SAFETY DATA SHEET

Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name: POWER RED
Proper Shipping Name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S
Recommended use: Multi Purpose Heavy Duty Detergent
Company Details Marketing Chemicals Ltd
Address: 7/343 Church Street , Penrose,
Auckland. New Zealand
Telephone: +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]
Fax: +64 9 634 3864
Emergency Telephone: +64 274 736008(24 hours)
National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation 8 October 2008

Section 2: Hazard Identification



DANGER:

- Causes severe skin burns and eye damage.
- Harmful if swallowed.
- May be corrosive to metals.
- Combustible liquid.
- May cause long lasting harmful effects to aquatic life.

The HSNO Approval Number: Group Standard HSR002527.

Prevention:

- Read label before use.
- Keep away from flames/hot surfaces.
- No smoking.
- Wear protective gloves and eye/face protection.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Keep only in original container.
- Do not breathe spray.
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Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Water	40.0 – 70.0	7732-18-5
Sodium Hydroxide	5.0 – 10.0	1310-73-2
Sodium Metasilicate Pentahydrate	5.0 – 15.0	10213-79-3
2 Butoxyethanol	5.0 – 10.0	111-76-2
Non Ionic Surfactant	5.0 – 10.0	9016-45-9

Section 4: First Aid Measures

Eyes:	If medical advice is needed, have product container or label at hand. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
Ingestion:	Rinse mouth. Do NOT induce vomiting.
Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Flash Point:	Flashpoint Value :60 °C; Test Method :Closed cup;Boiling Point :171-172 °C (For Butoxy Ethanol)
Auto ignition Temperature:	Not available
Flammable Limits in Air % by Volume:	Not available
Extinguishing Media:	Carbon dioxide, Dry powder, Foam,
Fire Fighting Instructions:	
Unusual Fire and Explosion Hazards:	

Section 6: Accidental Release Measures

Flush away with copious amounts of running water. Do not release into waterways.

Section 7: Handling And Storage

Handling

<u>Storage:</u>	Store in a well-ventilated place. Keep cool. Store in corrosive resistant container with a resistant inner liner. Store locked up. Store in original container. Protect from physical damage. Clean up all spills immediately to prevent secondary accidents.
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Section 8: Exposure Controls/Personal Protection

Engineering Controls:	General (mechanical) room ventilation is considered satisfactory in enclosed spaces.
Eye / Face Protection:	Safety Glasses/Full face masks
Body Protection:	PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
Respiratory Protection:	
Exposure Limits:	Not available

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Section 9: Physical And Chemical Properties

Appearance	Red Liquid
Freeze/Melt	Not available
Specific Gravity	1.04
Solubility in water	Completely
pH	13
Evaporation Rate	Not available
Boiling point	> 100 ^o C
Flammability	Combustible

Section 10: Stability And Reactivity

Stability of the Substance:	Stable under normal conditions
Conditions to avoid:	Heat, Spark, Flame
Materials to avoid:	Acids, Oxidising agents
Hazardous Decomposition Products:	
Conditions Contributing to Hazardous Polymerization	

Section 11: Toxicological Information

Inhalation:	Inhalation Form: dust/mist; SPECIES: Rat; ENDPOINT: LC50 VALUE: 2.21 mg/l REFERENCE SOURCE: BASF AG Ludwigshafen (135) Dodd, D.E., Tox. Appl. Pharm. 68, 405-414 (1983) (136) Union Carbide Corp., Bushy Run Research Center, Pittsburgh, Butyl Cellosolve - 4-hour LC50 Inhalation Study on Rats, Report by W.M. Snellings & R.E. Evancheck, 17. April 1980. [IUCRID 2000]
Ingestion:	SPECIES: Rabbit ;ENDPOINT: LD50;VALUE: 300 mg/kg REFERENCE SOURCE: [Yakkyoku. Pharmacy. (Nanzando, 4-1-11, Yushima, Bunkyo-ku, Tokyo, Japan) V.1- 1950-(32,1241,1981)] [RTECS]

Skin: SPECIES: Rabbit;ENDPOINT: LD50;VALUE: 1350 mg/kg bw
 REFERENCE SOURCE: Occidental Chemical Corporation Niagara F
 SPECIES: ;RESULT: Corrosive irritant.
 REFERENCE SOURCE: [Lewis, R.J. Saxs Dangerous Properties of
 Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand
 Reinhold, 1996. 2970]**PEER REVIEWED** [HSDB]
 SPECIES: Mouse; RESULT: Highly corrosive
 REFERENCE SOURCE: Occidental Chemical Corporation Niagara
 Falls, NY 14302-0728
 Bromberg, B.E. et al (1965) Plast Reconstr Surg 35:85-95.
 [IUCLID 2000]alls, NY 14302-0728 [IUCLID 2000]

Eye: SPECIES:
 RESULT: Contact with the eyes causes disintegration and sloughing of
 conjunctival and corneal epithelium, corneal opacification, marked
 edema, and ulceration; After 7 to 13 days either gradual recovery begins,
 or there is progression of ulceration and corneal opacification.
 Complications of severe eye burns are symblepharon (adhesion of the lid
 to the eyeball) with overgrowth of the cornea by a vascularized
 membrane, progressive or recurrent corneal ulceration, and permanent
 corneal opacification.
 REFERENCE SOURCE: [Mackison, F. W., R. S. Stricoff, and L. J.
 Partridge, Jr. (eds.). NIOSH/OSHA - Occupational Health Guidelines for
 Chemical Hazards. DHHS(NIOSH) PublicationNo. 81-123 (3 VOLS).
 Washington, DC: U.S. Government Printing Office, Jan. 1981.
 2]**PEER REVIEWED** [HSDB]
 SPECIES: Rabbit. ;RESULT: Corrosive.
 REFERENCE SOURCE: DOW Deutschland Inc., Werk Stade Stade 5
 Hughes (1946) cited in: Martin F.M., Report EPA/600/8-88/081, Order-
 Nr. PB88-231949, 1988
 [IUCLID 2000]

Section 12: Ecological Information

SPECIES: Oncorhynchus mykiss (Fish, fresh water)
 TYPE OF EXPOSURE: Static;DURATION: 96 hr;ENDPOINT: LC50
 VALUE: 45.4 mg/l
 REFERENCE SOURCE: DOW Deutschland Inc., Werk Stade Stade 5. [IUCLID 2000]

SPECIES: Ceriodaphnia dubia Water flea; TYPE OF EXPOSURE:
 DURATION: 48 hr; ENDPOINT: EC50
 VALUE: 40.38 mg/l
 REFERENCE SOURCE: Warne, M.S.T., and A.D. Schiffko (1999) Toxicity of Laundry Detergent
 Components to a Freshwater Cladoceran and Their Contribution to Detergent Toxicity.
 Ecotoxicol.Environ.Saf. 44(2):196-206 [ECOTOX]
 Rapidly Degradable: Yes

Section 13: Disposal Considerations

Dispose through Licensed Disposal Company

Section 14: Transport Information

UN No: 3266
Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Dangerous Goods Class: 8
Subsidiary risk:
Packing Group: III
Hazchem Code:



Section 15: Regulatory Information

HSNO Approval No: HSR002527
Group Standard: Cleaning Products (Corrosive, Combustible)
HSNO Classes: 3.1D, 6.1D, 8.1A, 8.2B, 8.3A, 9.1D

Section 16: Other Information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services: 111

For General Information: John Crombie, Manager, Marketing Chemicals Ltd,
Phone: +64 (09) 634 3862 / +64 (0)27 473 6008
Fax : +64 (09) 634 3864

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End of Safety Data Sheet.