

SAFETY DATA SHEET



Xtra Plus Degreaser

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Xtra Plus Degreaser

OTHER NAMES: Xtra Plus Degreaser
RECOMMENDED USE: Degreaser

SUPPLIER NAME: 2CARE PRODUCTS
ADDRESS: 9 Donnor Place
Mt Wellington
AUCKLAND

Phone: 0800 753 753
Fax: (09) 574 5999

Emergency Telephone: 0800 764 766 NEW ZEALAND NATIONAL POISON CENTRE

2. HAZARD(S) IDENTIFICATION

GLOBALLY HARMONISED SYSTEM

HAZARD CLASSIFICATION HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

HAZARD CATEGORIES Corrosive to metals Category 1
Skin Corrosion/Irritation Category 1B
Serious Eye Damage/Irritation Category 1
Aquatic Toxicity (Acute) Category 3



SIGNAL WORD **DANGER**

HAZARD STATEMENTS H290 – May be corrosive to metals.
H314 – Causes severe skin burns and eye damage.
H318 – Causes serious eye damage.
H412 –

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PRECAUTIONARY STATEMENTS

PREVENTION

P102 – Keep out of reach of children.
P103 – Read label before use.
P104 – Read Safety Data Sheet before use.
P234 – Keep only in original container.
P260 – Do not breathe fumes.
P264 – Wash hands thoroughly after handling.
P273 – Avoid release to the environment.
P280 – Wear protective gloves, clothing and eye/face protection.

RESPONSE

P310 – **IMMEDIATELY** call a **POISON CENTRE** or Doctor/Physician.
P321 – **WASH** affected areas well with water.
P363 – Wash contaminated clothing before re-use.
P390 – Absorb spillage to prevent material damage.
P301 + P330 + P331 – **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 – **IF ON SKIN:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 – **IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 – **IF IN EYES:** Rinse cautiously for several minutes. **REMOVE** contact lenses if present and safe to do so. Continue rinsing.

STORAGE

P405 – Store locked up.
P406 – Store in corrosive resistant plastic container with a resistant inner liner.

DISPOSAL

P501 – Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.

ENVIRONMENTAL PROTECTION AUTHORITY (NEW ZEALAND)

HSNO CLASSIFICATIONS

Toxicity Hazards

8.1A Substances that are corrosive to metals.
8.2B Substances that are corrosive to dermal tissue UN PGII.
8.3A Substances that are corrosive to ocular tissue.

Environmental Hazards

9.1C Substances that are harmful in the aquatic environment.

The information contained in this SDS is specific to the product when handled and used neat. This product when diluted may not require the same control measures as the neat product. Check with your technical representative if in doubt.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Sodium Hydroxide	NaOH	1310-73-2	< 5%
Non-Hazardous ingredients			< 5%
Water	H ₂ O	7732-18-5	Balance

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4. FIRST AID MEASURES

INGESTION	DO NOT induce vomiting. If person is conscious give water to drink immediately to dilute. Seek urgent medical attention.
EYE CONTACT	IMMEDIATELY flush eyes with copious amounts of water for at least 20 minutes while holding eyelids open. Ensure complete irrigation of the eyes by lifting the upper and lower lids periodically. Removal of contact lenses should only be done by skilled personnel. Transport person to nearest hospital or doctor IMMEDIATELY .
SKIN CONTACT	REMOVE contaminated clothing. IMMEDIATELY flush the contaminated skin thoroughly with water for at least 15 minutes. Seek medical attention URGENTLY if burning or irritation persists.
INHALATION	REMOVE victim from source of exposure to fresh air. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek immediate medical assistance if the effects persist Provide emergency. If needed transport to emergency medical facility without delay.
SAFETY MEASURES	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers. Treat symptomatically.
PHYSICIAN NOTES	Treat symptomatically based on judgement of doctor and individual reactions of patient.

5. FIRE FIGHTING METHODS

GENERAL MEASURES	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
FLAMMABILITY CONDITIONS	Product is not combustible.
EXTINGUISHING MEDIA	Use extinguishing media appropriate for surrounding fire.
HAZARDOUS PRODUCTS OF COMBUSTION	The product is non-combustible; however, the packaging material may burn to emit noxious fumes. Contact with metals may liberate hydrogen gas which is extremely flammable.
SPECIAL FIRE FIGHTING INSTRUCTIONS	DO NOT allow firefighting water to reach waterways, drains or sewers.
PERSONAL PROTECTIVE EQUIPMENT	Wear positive pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (including Helmet, Coat, Trousers, Boots and Gloves) or chemical splash suit.
HAZCHEM CODE	2W.

6. SPILLAGE/ACCIDENTAL RELEASE MEASURES

GENERAL RESPONSE PROCEDURE	Clear area of all unprotected personnel. Allow only trained personnel wearing appropriate protective equipment to be involved in spill response. Contain spill, avoid accidents, clean up immediately. Increase ventilation. Avoid walking through spilled product as it is slippery when spilt. CAUTION: Prolonged contact with metals may liberate hydrogen gas which is extremely flammable.
CLEAN UP PROCEDURES	Mechanically collect as much of the spill as possible. Absorb with sand, earth or clay. Transfer to suitable, labelled containers and dispose of promptly as hazardous waste. Spill on areas other than pavement (e.g. dirt and sand) may be handled by removing the affected soils and placing in approved containers.

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CONTAINMENT	Stop leak if safe to do so. Contain spill immediately
DECONTAMINATION	Wash area down with dilute acid and excess water and collect washings for disposal.
ENVIRONMENTAL PRECAUTIONARY MEASURES	Prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise the Environmental Protection Authority and/or your local Waste Authority.
EVACUATION CRITERIA	Evacuate all non-essential personnel.
PERSONAL PRECAUTIONARY MEASURES	Personnel involved in the clean-up should wear full protective clothing as listed in section 8.

7. HANDLING AND STORAGE

HANDLING	Use in a well-ventilated area. Ensure an eye bath and safety shower is available and ready for use. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Do not smoke, eat or drink when handling product. Always remove contaminated clothing and wash hands after handling or before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.
STORAGE	Store upright in the original container in a cool, dry, well-ventilated protected area out of direct sunlight and away from foodstuffs. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Do not combine part containers of the same product. Store away from incompatible materials as listed in section 10. A water supply or source must be provided in the place of storage. Emergency eye-washes must be available.
CONTAINER	Store in original packaging as approved by manufacturer. Do not store in Aluminium or galvanised containers nor use die cast zinc or aluminium fittings (e.g. valves and bungs.).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

GENERAL	Sodium Hydroxide [CAS 1310-73-2]
EXPOSURE LIMITS	WES-Ceiling 2mg/m ³ (Worksafe New Zealand)
BIOLOGICAL LIMITS	No information available on biological limit values for this product.
ENGINEERING MEASURES	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded.
PERSONAL PROTECTIVE EQUIPMENT	RESPIRATOR If determined an inhalation risk is present. Use a P2 grade disposable mask which conforms to the requirements of AS1715/1716).
	EYES Use splash proof safety goggles, and/or if necessary an appropriate full-face shield that conform to AS1336/1337.
	HANDS Any Gloves approved for chemical hazards that conform to AS2161.
	CLOTHING Trousers, Long sleeved shirt and closed shoes.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE	Liquid
APPEARANCE	Free flowing
COLOUR	Red
ODOUR	Lemon
pH	11.0 – 12.0
DENSITY	No Data Available
VAPOUR PRESSURE	No Data Available
VAPOUR DENSITY	No Data Available
BOILING POINT	No Data Available
FREEZING POINT	No Data Available
SOLUBILITY	Complete in water
SHELF LIFE	2 years from manufacturing date (when stored as directed)

10. STABILITY AND REACTIVITY

GENERAL INFORMATION	Corrosive liquid.
CHEMICAL STABILITY	The substance is stable under normal environmental and foreseeable conditions of temperature and pressure during storage and handling.
CONDITIONS TO AVOID	Avoid contact with foodstuffs. Do not combine part drums of the same product
MATERIALS TO AVOID	Incompatible with ammonium salts, aluminium, tin, and zinc.
HAZARDOUS DECOMPOSITION PRODUCTS	The packaging material may burn to emit noxious fumes. Contact with metals may liberate hydrogen gas.

11. TOXICOLOGICAL INFORMATION

ORAL	Sodium Hydroxide	LD ₅₀ – 500mg/kg (Rabbit, 24h) – CCID Causes severe burns. Burns to the mouth, oesophagus, can cause intestinal perforation.
DERMAL	Sodium Hydroxide	LD ₅₀ – 500mg/24hr (Rabbit) – CCID Causes severe burns. Intense burning and ulcers penetrating the skin.
INHALATION		Causes severe burns. Irritation of the respiratory system.
EYE	Sodium Hydroxide	LD ₅₀ – 50/24hr (Rabbit) - CCID Causes serious eye damage. Can cause ulceration of the conjunctiva and cornea.
CARCINOGENICITY		No information available.
MUTAGENICITY		No information available.
REPRODUCTIVE		No information available.

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TARGET ORGAN No information available.

LONG TERM No information available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY Sodium Hydroxide LC₅₀ (Fish, 96 h): 45.4 mg/L (Onchorhynchus mykiss)
EC₅₀ (Crustacea, 48h): 40.38 mg/L (Ceriodaphnia dubia)
All data from NZ Chemical Classification and Information Database.

PERSISTENCE /
DEGRADABILITY Readily biodegradable.
Other relevant information Abiotic degradation: NaOH is a strong alkaline substance that dissociates completely in water to Na⁺ and OH⁻. High water solubility and low vapour pressure indicate that NaOH will be found predominantly in aquatic environment. This implies that it will not adsorb on particulate matter or surfaces. Atmospheric emissions as aerosols are rapidly neutralized by carbon dioxide and the salts will be washed out by rain.

MOBILITY High water solubility and mobility.

ENVIRONMENTAL FATE Do not allow drainage into sewer, streams or storm water systems.

BIOACCUMULATION
POTENTIAL Sodium Hydroxide does not bioaccumulate in organism. In addition, sodium is a naturally occurring element that is prevalent in the environment and to which organism are exposed regularly for which they have some capacity to regulate the concentration in the organism.

ENVIRONMENTAL IMPACT No information available.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION Dispose of in accordance with all local, regional and national regulations. All empty packaging should be disposed of in accordance with local, regional, and national regulations or recycled/reconditioned at an approved facility.

SPECIAL PRECAUTIONS
FOR LANDFILL Containers should be rinsed then disposed of in compliance with any requirements of the Resource Management Act for which approval should be sought from the Regional Authority.

14. TRANSPORT INFORMATION

LAND TRANSPORT NEW ZEALAND (NZS5433)

Classified as a Dangerous Good by NZS5433:2012 for transport by Road and Rail

PROPER SHIPPING NAME CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (contains Sodium hydroxide)
UN NUMBER 3266
CLASS 8 – Corrosive Substances
SUBSIDIARY RISK No Data Available
PACKAGING GROUP II
HAZCHEM 2W
SPECIAL PROVISIONS No Data Available

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SEA TRANSPORT (IMDG)

Classified as a Dangerous Good by the International Maritime Dangerous Good Code (IMDG) for transport by sea

PROPER SHIPPING NAME	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (contains Sodium hydroxide)
UN NUMBER	3266
CLASS	8 – Corrosive Substances
SUBSIDIARY RISK	No Data Available
PACKAGING GROUP	II
HAZCHEM	2W
EMS	F-A, S-B
MARINE POLLUTANT	Listed
SPECIAL PROVISIONS	No Data Available

AIR TRANSPORT (IATA)

Classified as a Dangerous Good by the international Air Transport Association (IATA) for transport by air

PROPER SHIPPING NAME	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (contains Sodium hydroxide)
UN NUMBER	3266
CLASS	8 – Corrosive Substances
SUBSIDIARY RISK	No Data Available
PACKAGING GROUP	II
HAZCHEM	2W
SPECIAL PROVISIONS	No Data Available

15. REGULATORY INFORMATION

ENVIRONMENTAL PROTECTION AUTHORITY (NEW ZEALAND)

Hazardous Substances & New Organisms Act 1996

APPROVAL CODE	HSR002526 – Cleaning Products (Corrosive) Group Standard 2006
HSNO CLASSIFICATIONS	8.1A, 8.2B, 8.3A, 9.1C
APPROVED HANDLER	Not Required
NZIOC	Listed

16. OTHER INFORMATION

REVISION NUMBER	1 – New Issue
ISSUE DATE	21 st November 2017

In any event the review and if necessary re-issue of an SDS shall be no longer than 5 years after the last date of issue.

KEY/LEGEND	AS1336/1337	Industrial Eye Protection – Metric Units (Standards Australia).
	AS1715/1716	Respiratory Protection Devices – Metric Units (Standards Australia).
	AS2161	Industrial Safety Gloves and Mittens (Standards Australia).
	CAS	Chemical Abstracts Service.
	EC ₅₀	Concentration which induces a response halfway between the baseline and maximum.
	EMS	IMDG Emergency Schedule.
	EPG	Emergency Procedures Guide.
	GHS	Globally Harmonised System.
	HSNO	Hazardous Substances and New Organisms.
	IMDG	International Maritime Dangerous Goods.
	LC ₅₀	Concentration required to kill half the members of a tested population after a specified duration.
	LD ₅₀	Dosage required to kill half the members of a tested population after a specified duration.

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NOEC	No Observed Effect Concentration.
NZIOC	New Zealand Inventory of Chemicals.
SDS	Safety Data Sheet.
UN No.	UN Nations Number.
WES-Ceiling	Concentration that should not be exceeded at any time during any part of the working day.

REFERENCES

Workplace Exposure Standards-and Biological Exposure Indices – WorkSafe New Zealand.
TOXNET – ChemIDPlus Database.
IMDG Appendix B List of Marine Pollutants.
IMDG Emergency Fire and Spill Codes.
UN Recommendations on the Transport of Dangerous Goods Volume 1 (17th Edition) Part 3.

This SDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the work place. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact the company.

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