

SAFETY DATA SHEET

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: Grunt Plus

Recommended Use: Degreaser

Company Identification: Supreme Cleaning Products

Address: 61 Maleme Street, Tauranga 3112. Ph: (07) 5410390

Emergency Telephone Number: IN AN EMERGENCY, DIAL 111 – FIRE or POLICE or AMBULANCE

National Poisons Centre: 0800 POISON (0800 764 766) 24 HOURS

Section 2: HAZARD IDENTIFICATION

Dangerous Goods: Classified as a Dangerous Good under New Zealand transport legislation.

Signal word: DANGER

Hazardous Substance (HSNO): 6.1D – Harmful if swallowed
8.2C – Causes severe skin burns
8.3A – Causes severe eye damage
9.3C – Harmful to terrestrial vertebrates

Precautionary / Prevention Statements: P102 Keep out of reach of children.
P103 Read label before use.
P104 Read safety data sheet before use.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/clothing and eye/face protection.

Precautionary / Response Statement: P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see information on this label).
P363 Wash contaminated clothing before reuse.

Precautionary / Storage Statement: P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant

Pictograms: Corrosion



Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Sodium Hydroxide	1310-73-2	5-15%
Sodium metasilicate pentahydrate	10213-79-3	5-10%
Ethylene glycol monobutyl ether	111-76-2	3-7%
Mixture (not classified as toxic or corrosive)		Ballance

Section 4: FIRST AID MEASURES

For medical advice, consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor. Have product container or label at hand.

Inhalation:	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash gently and thoroughly with water and non-abrasive soap for at least 15 minutes. Ensure contaminated clothing is washed before re-use or discard.
Eye contact:	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.
Advice to Doctor:	Treat symptomatically. Product is a strong sodium hydroxide solution. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted.

Section 5: FIRE FIGHTING MEASURES

Flammability:	Non flammable.
Extinguishing Media:	Use appropriate fire extinguisher for surrounding environment: fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). Do not use water jet.
Hazards from Combustion:	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including water vapour, carbon monoxide, carbon dioxide and oxides of nitrogen. Heating can cause expansion or decomposition leading to violent rupture of containers.
Hazchem Code:	2R
Precautions in connection with Fire:	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Spillages will be very slippery. Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe mist/ vapour. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by collecting the material using vacuum and transfer into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. As a water-based product, if spilt on electrical equipment the product will cause short-circuits.
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Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Corrosive liquid. Attacks skin and eyes. Causes burns. Avoid breathing in vapours, mist or fumes. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities. Conditions for safe storage, including any incompatibilities Store in a cool dry well-ventilated area. Store in original packages as approved by manufacturer. Store away from oxidising agents and acids. Protect from freezing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Provide a catch-tank in a bunded area. Store in original packages as approved by manufacturer. Ensure that storage conditions comply with applicable local and national regulations.
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Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational exposure limit values:	No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below: Sodium hydroxide TWA: 2 mg/m ³ (peak limitation)
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TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five-day week.
STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

Biological Limit Values:

No biological limits allocated.

Appropriate Engineering Controls:

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn.

Respiratory Protection:

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to N.Z Standards NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection:

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations. Eye protection should conform with N.Z Standard NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection:

Wear gloves of impervious materials such as rubber or plastic (PVC). Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection:

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Red colour liquid
Odour: No odour
Density: 1-1.3
Solubility in Water: Disperses in water
pH: 10-12 (10% Solution)

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling. Reacts violently with incompatible materials. May react exothermically on dilution with water.

Conditions to Avoid: Extremes of temperature and direct sunlight. Avoid contact with organic materials, exposure to air and humidity.

Incompatible materials: Aluminium, tin and zinc. Acids. Reacts with ammonium salts liberating ammonia gas. Reacts readily with various reducing sugars (i. e. fructose, galactose, maltose, dry whey solids) to produce carbon monoxide.
Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including water vapour, carbon monoxide, carbon dioxide and oxides of nitrogen.

Section 11: TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of mist or vapour will result in respiratory irritation and possible harmful corrosive effects including burns, lesions of the nasal septum, pulmonary oedema, and scarring of tissue.

Ingestion: Harmful if swallowed. Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Skin: Causes severe burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

Eye: Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No known significant effects or critical hazards.

Section 13: DISPOSAL INFORMATION

Product Disposal:

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations

Container Disposal:

Empty containers should be rinsed and either recycled or placed in general waste.

Section 14: TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT:

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



UN No: 1760

Class: 8

Packing Group: III

Hazchem Code: 2R

Technical Name: SODIUM HYDROXIDE SOLUTION

Class 8 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1, Explosives
 - Division 4.3, Dangerous When Wet Substances
 - Division 5.1, Oxidising substances
 - Division 5.2, Organic Peroxides
 - Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids - Class 7, Radioactive Substances
- and are incompatible with food and food packaging in any quantity.
Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.

Marine Transport:

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No: 1760

Class: 8

Packing Group: III

EmS: F-A, S-B

Technical Name: SODIUM HYDROXIDE SOLUTION

Air Transport:

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous

UN No: 1760

Class: 8

Packing Group: III

EmS: F-A, S-B

Technical Name: SODIUM HYDROXIDE SOLUTION

Section 15: REGULATORY INFORMATION

Classified as hazardous according to the criteria of the New Zealand Hazardous Substances and New Organisms Act. Cleaning Products (Corrosive) Group Standard 2017 - HSR002526

For full HSNO controls and Health and Safety at Work regulations for this substance refer to the New Zealand EPA's Approved Hazardous Substances with Controls website.

Section 16: OTHER INFORMATION

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the product and general guidance on how to safely handle and use the product. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to handling and usage is offered without warranty. The data in this SDS relates only to the specific product designated herein and does not relate to use in combination with any other material. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

End of SDS