

Section 1. IDENTIFICATION

Product Name: AVENGER DEGREASER

Other Shipping Names: Corrosive Liquid, N.O.S. (contains Sodium Hydroxide & Potassium Hydroxide)

Uses: Degreaser / Grease removing heavy duty detergent

Product Dilution Information: Dilute 1:5 with water

CONTACT DETAILS OF THE SUPPLIER OF THIS SAFETY DATA SHEET

Business: Colonial Chemicals Australia

Address: Skewes Road, Bendemeer, NSW, AUSTRALIA,2355

Postal Address: P.O Box 167 Moonbi, NSW,2353

Phone: 02 67 696 658 **Mobile:** 0427 696658 **Fax:** 02 57015137

Email: admin@colonialchemicals.com.au

Web Site: www.colonialchemicals.com.au

Emergency Contact Details -For emergencies only; DO NOT contact these companies for general product advice.

Poisons Information Centre -Westmead NSW 131126 or 1800-251525

Chemcall Australia 1800-127406

Section 2. HAZARD IDENTIFICATION

Product AS SOLD

Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria.

Hazard Category

Corrosive to Metals - Category 1
Serious Eye Damage - Category 1
Skin Corrosion – Category 1A



Signal Word: DANGER

Hazard Statements:

May be corrosive to metals.
Causes serious eye damage.
Causes severe skin burns and eye damage.

Precautionary Statements:

Prevention:

Do not breathe in mists.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear eye protection / face protection.
Keep only in original container.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

Specific treatment (see section 4 of the SDS)

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Issue date: 01/10/2016

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Section 2. HAZARD IDENTIFICATION (Continued)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Absorb spillage to prevent material damage

Storage:

Store in a corrosion resistant container. Store in accordance with local regulatory requirements. Store locked up.

Disposal:

Dispose in contents/container in accordance with local regulations.

General Phrases:

Keep out of reach of children.

Product AT USE DILUTION

Classified as DANGEROUS GOODS by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail. This material is HAZARDOUS according to Safe Work Australia's GHS Criteria.

Hazard Category

Corrosive to Metals - Category 1, Serious Eye Damage - Category 1, Skin Corrosion – Category 1B

Signal Word: DANGER

Hazard Statements:

May be corrosive to metals. Causes serious eye damage.
Causes severe skin burns and eye damage.



Precautionary Statements: Prevention:

Do not breathe in mists. Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product. Wear eye protection / face protection.
Keep only in original container.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor **IF ON SKIN (or hair):** Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

Specific treatment (see section 4 of the SDS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Absorb spillage to prevent material damage

Storage: Store in a corrosion resistant container. Store in accordance with local regulatory requirements. Store locked up.

Disposal: Dispose in contents/container in accordance with local regulations.

General Phrases: Keep out of reach of children.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT AS SOLD

INGREDIENT NAME	CAS NUMBER	PROPORTION%	TWA mg/m ³	STEL mg / m ³
Sodium Hydroxide	1310-73-2	10 - 30	2	None allocated
Potassium Hydroxide	1310-58-3	10 – 30	2	None allocated

Ingredients, determined not to be hazardous according to Safe Work Australia's criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

PRODUCT AT USE DILUTION

INGREDIENT NAME	CAS NUMBER	PROPORTION%	TWA mg/m ³	STEL mg / m ³
Sodium Hydroxide	1310-73-2	<10	2	None allocated
Potassium Hydroxide	1310-58-3	<10	2	None allocated

Ingredients, determined not to be hazardous according to Safe Work Australia's criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

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Section 4. FIRST AID MEASURES

Product AS SOLD

Eye contact	: Rinse with plenty of running water. Seek medical advice if symptoms occur.
Skin contact	: Remove contaminated clothing (wash before re-use). Then rinse with plenty of running water. Seek medical advice if symptoms occur.
Inhalation	: Remove to fresh air. Seek medical advice if symptoms occur.
Ingestion	: Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur.
Notes to physician	: Treat symptomatically. Concentrated solution can cause corneal burns.

Section 5. FIRE FIGHTING MEASURES

Product AS SOLD and AT USE DILUTION

Extinguishing media	: Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
Specific Hazards arising from the chemical	: No specific hazard.
Special protective equipment and precautions for fire-fighters	: Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus in the event of a fire.
Hazchem Code	: 2X

Section 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD and at USE DILUTION

Personal precautions	: For small spills ensure suitable equipment and PPE is used. Dispose of waste in accordance with local rules. For large spills the following PPE is recommended to reduce risk: Safety Glasses, Chemical Resistant Shoes & Gloves, long sleeves / trousers. Remove non-essential personnel from the area. Ensure that any alkalis or other products of incompatible classes near the spill are removed.
Environmental precautions	: Contain large spills/releases using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.
Methods for cleaning up	: Spills may be slippery. Small spills use mop and bucket, for larger spills contain with absorbent material, collect and dispose.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

Section 7. HANDLING AND STORAGE

Product AS SOLD and AT USE DILUTION

Handling	: Use clean dispensing equipment, use appropriate PPE, always add product to water when diluting.
Storage	: Store in a cool, dry, well ventilated place. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store in original containers whenever possible. Do not store in metal containers without prior approval. Check container compatibility before transfer. Keep containers closed when not in use - check regularly for leaks. Ensure good housekeeping in storage area.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Product AS SOLD and AT USE DILUTION

Occupational exposure limits	: No information available on the product itself. Values for specific hazardous ingredients are shown in section 3.
Engineering measures	: Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided, and air is moving constantly in the area of use while drum is open. Keep containers closed when not in use.
Personal Protection	
Eyes	: Safety glasses/goggles.
Hands	: Chemical resistant gloves.
Respiratory	: If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
Skin	: Long sleeves/trousers/chemical resistant apron/chemical resistant boots.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Product AS SOLD and AT USE DILUTION

Physical state	: Clear Liquid
Colour	: Pale tan
Odour	: Nil
pH	: 14.0
Flash point (°C)	: NA
Boiling point (°C)	: 100 (approx.)
Specific Gravity (g/ml @ 25°C)	: 1.20 – 1.22 (as sold), 1.02 – 1.05 (as used)
Solubility in water	: Absolute

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Section 10. STABILITY AND REACTIVITY

Product AS SOLD and AT USE DILUTION

Reactivity	: Do not mix with acids, ammonium salts or oxidising substances.
Stability	: Stable under normal storage conditions
Possibility of Hazardous Reactions	: May produce heat when mixed with water. Contact with metals may liberate flammable hydrogen gas. Ammonia gas may be produced if mixed with ammonium salts.
Conditions to avoid	: Avoid contact with food stuffs.
Incompatible Materials	: Aluminium, tin, zinc and their alloys. Acids and ammonium salts.

Section 11. TOXICOLOGICAL INFORMATION

Potential acute health effects

No acute health effects expected if the product is handled in accordance with instructions provided by the manufacturer. Symptoms that may result if the product is mishandled or if overexposure occurs include:

Product AS SOLD and AT USE DILUTION

Ingestion	: Corrosive. Will cause severe irritation and chemical burns to the mouth and digestive tract.
Skin	: May cause chemical burns. Will cause irritation to the skin. Prolonged contact may cause chemical scarring.
Eye	: Will cause severe irritation, burns and possible permanent damage.
Inhalation:	: Inhalation of fine mists may cause irritation and chemical burns to the respiratory tract and nasal passages.

Section 12. ECOLOGICAL INFORMATION

Product AS SOLD and AT USE DILUTION

Ecotoxicity data

Persistence/degradability	: Not known.
Mobility in Soil	: Mobile.
Other adverse effects	: May be harmful to aquatic species due to the effect of high pH.

Section 13. DISPOSAL CONSIDERATIONS

Product AS SOLD and AT USE DILUTION

Methods of disposal : Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

Section 14. TRANSPORT INFORMATION

Product AS SOLD

Regulation	UN Number	Proper shipping name	Classes	Packing group	Additional information
ADG	1760	Corrosive Liquid, N.O.S. (contains Sodium Hydroxide and Potassium Hydroxide)	8	II	Hazchem 2X

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Section 15. REGULATORY INFORMATION

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Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail. This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria. This material is a **SCHEDULE 6 POISON** according to the criteria of the SUSMP. All ingredients listed on AICS.

Hazard Category

Corrosive to Metals - Category 1
Serious Eye Damage - Category 1
Skin Corrosion – Category 1A

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Precautionary Statements:

Prevention:

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Do not eat, drink or smoke when using this product. Wear eye protection / face protection.
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Response:

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IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see section 4 of the SDS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Absorb spillage to prevent material damage.

Storage: Store in a corrosion resistant container. Store in accordance with local regulatory requirements. Store locked up.

Disposal: Dispose in contents/container in accordance with local regulations.

General Phrases: Keep out of reach of children.

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Section 16. OTHER INFORMATION

Literature References : Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Workplace exposure standards, Safe Work Australia.
Hazardous Sunstances/Chemicals Information System, Safe Work Australia.
Globally Harmonised System of classification and labelling of chemicals.
Raw material suppliers' SDS

Always use product as directed. Please read all labels carefully before using product. Further information may be obtained by contacting the Technical Officer on 0267 696 658. Supplied by Colonial Chemicals Australia.

SDS Revision Number: 2
SDS Revision Date: 01 OCTOBER 2016
Reason for issue: Updated SDS (Replaces SDS version 1 Dated 01/01/2016)
In any event, the review and, if necessary, the re-issue of a SDS shall be no longer than 5 years after the last date of issue.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

Key legend/Abbreviations/Acronyms that may be used in this S.D.S.:

<	Less Than
>	Greater Than
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
cm ²	Square Centimetres
CO ₂	Carbon Dioxide
COD	Chemical Oxygen Demand
deg C (°C)	Degrees Celcius
g	Grams
g/cm ³	Grams per Cubic Centimetre
g/l	Grams per Litre
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially
firefighters HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
immiscible	Liquids are insoluble in each other. inHg
kg/m ³	Kilograms per Cubic Metre
lb	Pound
LC	stands for lethal concentration.
LC50	is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD	stands for Lethal Dose.
LD50	is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
l or L	Litre
m ³	Cubic Metre
mbar	Millibar
mg	Milligram
mg/24H	Milligrams per 24 Hours
mg/kg	Milligrams per Kilogram
mg/m ³	Milligrams per Cubic Metre
Misc or Miscible	Liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	Millimetre
mmH ₂ O	Millimetres of Water
mPa.s	Millipascals per Second
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organisation for Economic Co-operation and Development
Oz	Ounce
Pa	Pascal
PEL	Permissible Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline).
ppb	Parts per Billion
ppm	Parts per Million
ppm/2h	Parts per Million per 2 Hours
ppm/6h	Parts per Million per 6 Hours
psi	Pounds per Square Inch
R	Rankine
RCP	Reciprocal Calculation Procedure
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	Tonne
TWA	Time Weighted Average (TWA/ES - Time Weighted Average or Exposure Standard)
Ug/24	Micrograms per 24 Hours
UN	United Nations
Wt	Weight

END OF SDS

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