



SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL

Product: NO STAIN

Date of Issue: JUNE 2012

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SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: Custom Chemicals international Pty Ltd
ADDRESS: 103-107 Potassium Street, Narangba 4504 Queensland Australia

Trade Name: "NO STAIN" STAIN REMOVER

TELEPHONE:	+617 3204 8300	FAX:	+617 3204 8311
AHEMERGENCY TELEPHONE:	13 1126 in Australia	ABN:	73050573674
Substance:	Water based cleaner	Product Use:	Detergent
Creation Date:	JUNE 2012	Revision Date:	JUNE 2017
Product Code:	0010178; 0051890 [5L], 0051891 [20L]		

SECTION 2 – HAZARDS IDENTIFICATION

- This product is **classified as HAZARDOUS (IRRITANT)** according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code.
- This product is **classified as a Scheduled 5 Poison** according to the SUSMP.

Approved Criteria Classification



Xi - IRRITANT
R36/38 – Irritating to skin and eyes.
S(1/2) – 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 (show the label whenever possible).

UN Number	None allocated	ADG Classification	None allocated
Shipping Name	None allocated	ADG Subsidiary Risk	None allocated
Hazchem Code	None allocated	Packing Group	None allocated
SUSMP Classification	S5 CAUTION		

EMERGENCY OVERVIEW

Colour	Clear pink	Odour	Faint
Physical Description	Liquid	Viscosity	Non-viscous liquid
Major Health Hazards	None known		

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances".

Ingredients:	CAS Number:	Proportion:	Exposure Standards	Exposure Standards
			TWA	STEL
Sodium hydroxide	1310-73-2	< 10% w/w	2 mg/m ³ Peak	Peak STEL 2 mg/m ³
Ethylene glycol monobutyl ether	111-76-2	< 10% w/w	20ppm (96.9 mg/m ³)	50 ppm (242 mg/ m ³)
Ingredients determined to be non-hazardous	Various	10 - 30% w/w	not set	not set
Water	7732-18-5	> 60% w/w	not set	not set

The **TWA** exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The **STEL** (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least



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60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
First Aid Facilities	Normal washroom facilities.
Skin contact	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
Eye contact	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
Inhalation	Remove person to fresh air – avoid exposure. Seek immediate medical advice (e.g. doctor) if required.
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Aggravated Medical Conditions	None known.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Water based. Not combustible. However if involved in a fire will emit toxic fumes.
Extinguishing Media	Use carbon dioxide (CO ₂) fire extinguisher, water fog or fine water spray.
Fire Fighting	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
Flash Point	None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	No HAZCHEM code.
Occupational Release	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

SECTION 7 – HANDLING AND STORAGE



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Handling

Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.

Storage

Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits

National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

Time-weighted Average (TWA): None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

Short Term Exposure Limit (STEL): None established for specific product.

See **SECTION 3** for Exposure Limits of individual ingredients.

Biological Limit Value

None established for product.

Engineering Controls

Ensure ventilation is adequate to maintain air concentrations below exposure standards. Avoid generating mists of the product. Use only in a well-ventilated area.

Personal Protective Equipment

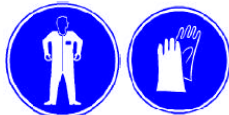
This product is a hazardous (IRRITANT) cleaning liquid. Once diluted with an equal volume of water, the product is no longer classified as hazardous according to the criteria of Worksafe Australia. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;

Eye Protection



The use of safety glasses, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.

Skin Protection



Wear gloves. Overalls, apron, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

Protective Material Types

Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

Respirator

Not required for normal cleaning operations with adequate ventilation.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Non-viscous liquid	Colour	Clear pink
Odour	Faint odour	Specific Gravity	1.05 – 1.07 @ 25 °C
Boiling Point	Approximately 100 °C.	Freezing Point	Approximately 0°C
Vapour Pressure	Not available	Vapour Density	Not available.
Flash Point	Not flammable	Flammable Limits	None
Water Solubility	Miscible in all proportions.	pH	13.3 – 13.7 neat
Volatile Organic Compounds (VOC)	0 % v/v.	Coefficient of Water/Oil Distribution	Not available.
Viscosity	Not available.	Odour Threshold	Not available.
Evaporation Rate	Not available.	Per Cent Volatile	Ca 80% v/v



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SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and pressure.
Conditions to Avoid	Avoid contact with heat or heat sources.
Incompatible Materials	Reducing agents, oxidizing agents.
Hazardous Decomposition Products	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
Hazardous Reactions	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

PRODUCT MIXTURE INFORMATION

Local Effects Mild irritant: eye, skin, inhalation and ingestion.

Target Organs Eyes, mucous membranes, skin.

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion

short term exposure Swallowing can result in nausea, vomiting of blood and eroded tissue; chemical burns of the mouth, throat & abdomen; perforation of the gastrointestinal tract. This product containing ethylene glycol monobutyl ether may cause headache, dizziness, light-headedness, confusion, and passing out, and may damage the liver and kidneys on ingestion.

long term exposure No information available. There have been no documented effects due to long-term exposure to sodium hydroxide.

Skin contact

short term exposure Irritating to skin - may cause skin burns, severe irritation. Corrosion will continue until removed. Severity depends on the concentration and duration of exposure. Burns are not immediately painful; onset of pain may be minutes to hours. Skin contact with this product containing ingredient ethylene glycol monobutyl ether may cause central nervous system effects.

long term exposure Prolonged and repeated skin contact with solutions may induce eczematoid dermatitis in certain individuals.

Eye contact

short term exposure Corrosive to eyes; contact can cause corneal burns.

long term exposure No information available.

Inhalation

short term exposure Inhalation of mists or aerosols can produce mucous membrane and respiratory irritation. Exposure to high concentrations of the product in liquid form or as a mist may lead to possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema. Aerosols of this product containing ingredient ethylene glycol monobutyl ether may cause central nervous system effects if inhaled.

long term exposure No information available.

Carcinogen Status

NOHSC No significant ingredient is classified as carcinogenic by NOHSC.

NTP No significant ingredient is classified as carcinogenic by NTP.

IARC No significant ingredient is classified as carcinogenic by IARC.

Medical conditions aggravated by exposure Persons with pre-existing skin disorders or eye problems, or impaired kidney or respiratory function may be more susceptible to the effects of the substance.



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CLASSIFICATION OF INDIVIDUAL INGREDIENTS

Individual Ingredient Information

NOTE : This information relates to each individual ingredient, when evaluated as pure undiluted chemical.

Ingredients

Ethylene glycol mono butyl ether

Sodium Hydroxide

R-Phrases.

R20/21/22, R36/38

R35

100% SODIUM HYDROXIDE

Irritation Data

Corrosive to skin – can cause burns. Corrosive to eyes – can cause permanent injury and possible loss of sight. Inhalation of dusts or mists of the solution can result in respiratory irritation and possible corrosive effects.

Toxicity Data

Intraperitoneal LD50 (mouse): 40mg/kg; Oral lowest lethal dose (rabbit): 500mg/kg; Skin (rabbit): severe irritation 500mg/24H; Eyes (rabbit): severe irritation 1mg/30sec rinse.

Local Effects

Corrosive: skin, eye, inhalation (of aerosol) and ingestion.

Target Organs

Skin, mucous membranes, eyes.

Reproductive Effects

No available information.

Acute Toxicity Level

Toxic : ingestion, skin, inhalation (of aerosol or dust).

Mutagenic Data

No available information.

Carcinogen Data

Potassium and sodium hydroxide have been implicated as a cause of cancer of the oesophagus in individuals who have ingested it. The cancer may develop 12 to 42 years after the ingestion incident. Similar cancers have been observed at the sites of severe thermal burns. These cancers may be due to tissue destruction and scar formation rather than the action of the hydroxide itself. Not classified as a carcinogen by Worksafe Australia.

100% ETHYLENE GLYCOL MONO BUTYL ETHER (2-BUTOXYETHANOL)

Irritation Data

500 mg open skin-rabbit mild: 100mg eyes - rabbit severe: 100mg/24 hour(s) eyes – rabbit moderate.

Toxicity Data

The lethal oral dose of ethylene glycols in humans is approximately 1.4 ml/kg, which would be equivalent to approximately 100 ml of 100% 2-butoxyethanol for a 70 kg person. LD50 Rat oral 1.48 g/kg, LD50 Mouse oral 1.2 g/kg, LD50 Rabbit oral 0.32g/kg, LD50 Guinea pig oral 1.2 g/kg, LD50 Rabbit dermal 400 mg/kg. Odour threshold Value: 0.10 ppm (detection), 0.35 ppm (recognition), IDLH Level : 700 ppm. 2-Butoxy Ethanol may damage the liver and kidneys.

Local Effects

Irritant: inhalation, skin, eye.

Target Organs

Blood, central nervous system, kidneys.

Acute Toxicity Level

Toxic: inhalation, dermal absorption, ingestion.

Mutagenic Data

A statistically significant increase in mutations not generally observed in cell cultures at any concentration for a range of tests.

Reproductive Effects

Data

2-Butoxy Ethanol may damage the developing fetus. 2-Butoxy Ethanol may damage the testes (male reproductive glands). TCLo: ihl-rat 200 ppm/6H (6-15D preg), TCLo: ihl-rat 25 ppm/6H (6-15D preg), TDLo: orl-mus 9440 mg/kg (7-14D preg), TCLo: ihl-rbt 200 ppm/6H (6-18D preg), TCLo: ihl-rbt 100 ppm/6H (6-18D preg).

Carcinogenicity

Insufficient information.

SECTION 12 – ECOLOGICAL INFORMATION

Fish toxicity

None available for specific product.

Algae toxicity

None available for specific product.

Invertebrates toxicity

None available for specific product.

Toxicity to Bacteria

None available for specific product.

OECD Biological degradation

Individual components stated to be biodegradable.



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General

Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCTS, DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal

To dispose of quantities of undiluted product, refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. As with any chemical, do not put down the drain in quantity. The small quantities contained in wash solutions (when used as directed) can generally be handled by conventional sewage systems, septics, and grey water systems. For larger scale use, eg. Commercial laundry operations, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer.

SECTION 14 – TRANSPORT INFORMATION

UN Number	None allocated	ADG Classification	None allocated
Shipping Name	None allocated	ADG Subsidiary Risk	None allocated
Hazchem Code	None allocated	Packing Group	None allocated
Packaging Method	None allocated	Special Provisions	None allocated
Segregation	None allocated		

SECTION 15 – REGULATORY INFORMATION

Labeling Details

HAZARD

Xi - IRRITANT

RISK PHRASES

R36/38 – Irritating to skin and eyes.

SAFETY PHRASES

S(1/2) – Keep locked up and out of reach of children.

S24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 – Wear suitable protective clothing, gloves and eye/face protection.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).



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SUSMP

S5 CAUTION (SODIUM HYDROXIDE)

Signal word: CAUTION

Cautionary Statement/s:

KEEP OUT OF REACH OF CHILDREN

DO NOT SWALLOW

NOT TO BE TAKEN

READ SAFETY DIRECTIONS BEFORE USING

First Aid:

A-For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

G3-If swallowed, DO NOT induce vomiting.

E2-If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor, or for at least 15 minutes.

S1-If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Warning:

2-Corrosive.

10-May produce severe burns.

78-Attacks skin and eyes.

Safety Directions:

3-Wear eye protection when mixing or using.

5- Wear protective gloves when mixing or using.

28- Do not mix with hot water.

AICS

All ingredients present on AICS.

SECTION 16 – OTHER INFORMATION

ADG Code

None allocated

Acronyms

SUSMP

Standard for the Uniform Scheduling of Medicines and Poisons.

ADG Code

Australian Code for the Transport of Dangerous Goods by Road and Rail.

CAS Number

Chemical Abstracts Service Registry Number.

UN Number

United Nations Number.

R-Phrases

Risk Phrases.

HAZCHEM

An emergency action code of numbers and letters which gives information to emergency services.

NOHSC

National Occupational Health and Safety Commission.

NTP

National Toxicology Program (USA).

IARC

International Agency for Research on Cancer.

AICS

Australian Inventory of Chemical Substances.

TWA

Time Weighted Average

STEL

Short Term Exposure Limit

Literature References

List of Designated Hazardous Substances [NOHSC:10005(1999)]

Australian Code For The Transport Of Dangerous Goods By Road And Rail – Seventh Edition.

Standard for the Uniform Scheduling of Medicines and Poisons 2011.

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]

Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]

Material Safety Data Sheets – individual raw materials – Suppliers.

HSIS – Hazardous Substance Information System – National Worksafe Data Base.

Revision Information

New Issue to standard: 2nd Edition [NOHSC:2011(2003)].



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Note

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

Contact Point

Regulatory Affairs Manager.

Telephone

(07) 3204 8300

Issue Date

JUNE 2012

Supersedes Issue Date

JUNE 2007

This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.