



SAFETY DATA SHEET	
CUSTOM CHEMICALS INTERNATIONAL	Product: VALENCIA
Date of Issue: NOVEMBER 2012	Page 1 of Total 7

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**SUPPLIER:** Custom Chemicals International Pty Ltd  
**ADDRESS:** 103-107 Potassium Street, Narangba 4504 Queensland Australia  
**Trade Name:** **“VALENCIA” MULTIPURPOSE DEGREASER**  
**TELEPHONE:** +617 3204 8300 **FAX:** +617 3204 8311  
**AH EMERGENCY TELEPHONE:** 13 1126 in Australia **ABN:** 73 050 537 674  
**Substance:** Water based cleaner **Product Use:** Detergent  
**Creation Date:** NOV 2012 **Revision Date:** NOV 2017  
**Product Code:** 0010025; 0050250[5L], 0050255[ASTROL 5L], 0050251[20L], 0050252[200L], 0050253[1000L]

## 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 NOHSC Criteria Classification** Xi - IRRITANT  
R36/38 – Irritating to skin and eyes.  
R43 – May cause sensitisation by skin contact  
S2 – Keep out of reach of children.  
S24 - Avoid contact with skin.  
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).  
S60 – This material and its container must be disposed of as hazardous waste.  
S61 - Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.

**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** Orange **Odour** Citrus odour  
**Physical Description** Liquid **Viscosity** Non-viscous liquid  
**Major Health Hazards** Irritant – eyes, skin, mucous membranes.

## 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 TWA	Exposure Standards STEL
(R)-p-mentha-1,8-diene (orange oil)	5989-27-5	< 10% w/w	not set	not set
Disodium metasilicate	6834-92-0	< 10% w/w	not set	not set
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



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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 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

<b>Scheduled Poisons</b>	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).
<b>First Aid Facilities</b>	Normal washroom facilities.
<b>Skin contact</b>	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.
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
<b>Ingestion</b>	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).
<b>Inhalation</b>	Remove person to fresh air- avoid exposure. Obtain medical attention if symptoms occur.
<b>Advice to Doctor</b>	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.
<b>Aggravated Medical Conditions</b>	None known.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Water based. Not combustible. However if involved in a fire will emit toxic fumes.
<b>Extinguishing Media</b>	Use an extinguishing media suitable for surrounding fires.
<b>Fire Fighting</b>	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.
<b>Flash Point</b>	None – does not support combustion.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	No HAZCHEM code.
<b>Occupational Release</b>	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.



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### SECTION 7 – HANDLING AND STORAGE

**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. Ensure airflow, where this product is used, is directed away from the operators.

**Personal Protective Equipment** This product is classified as hazardous (IRRITANT) cleaning liquid. Once diluted with 1 equal volumes of water (1:2 dilution), 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 with side shield protection, 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 chemical resistant 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, Neoprene, PVC, and Nitrile.

**Respirator**  Not required for normal and intended cleaning operations with adequate ventilation. Where high contaminant spray mist or vapour levels exist, ie, approaching the exposure limit, the following additional equipment is required: For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For prolonged exposure and confined spaces:- full face air supplied or self contained breathing apparatus (if vapour levels exceed the Exposure Limit by more than ten times, air supplied apparatus should be used).

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Non-viscous liquid	<b>Colour</b>	Clear orange
<b>Odour</b>	Citrus odour	<b>Specific Gravity</b>	1.043 – 1.063 @ 25 °C
<b>Boiling Point</b>	Approximately 100 °C	<b>Freezing Point</b>	Approximately 0 °C



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<b>Vapour Pressure</b>	Not available	<b>Vapour Density</b>	Not available.
<b>Flash Point</b>	Not flammable	<b>Flammable Limits</b>	None
<b>Water Solubility</b>	Miscible in all proportions	<b>pH</b>	12.8 - 13.2 neat
<b>Volatile Organic Compounds (VOC)</b>	0 % v/v	<b>Coefficient of Water/Oil Distribution</b>	Not available
<b>Viscosity</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Per Cent Volatile</b>	Ca 70% v/v

### SECTION 10 – STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	None identified.
<b>Incompatible Materials</b>	Reducing agents, oxidizing agents, acid.
<b>Hazardous Decomposition Products</b>	Product can decompose on combustion (burning) to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
<b>Hazardous Reactions</b>	May be incompatible with acids.

### SECTION 11 – TOXICOLOGICAL INFORMATION

#### PRODUCT MIXTURE INFORMATION

<b>Local Effects</b>	Irritant: eye, skin, inhalation and ingestion.
<b>Target Organs</b>	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

<b>short term exposure</b>	Swallowing can result in nausea, vomiting of blood and eroded tissue; chemical burns of the mouth, throat & abdomen; perforation of the gastrointestinal tract.
<b>long term exposure</b>	No information available.

#### Skin contact

<b>short term exposure</b>	Irritating to skin - may cause skin irritation. Corrosion will continue until removed. Severity depends on the concentration and duration of exposure. May cause skin sensitisation.
<b>long term exposure</b>	Prolonged and repeated skin contact with solutions may induce eczematoid dermatitis in certain individuals. This product, as supplied is not a sensitizer. Improper storage and handling can lead to oxidation. The oxidized forms of D-limonene have shown potential to be skin sensitizers.

#### Eye contact

<b>short term exposure</b>	Irritating to eyes.
<b>long term exposure</b>	No information available.

#### Inhalation

<b>short term exposure</b>	Inhalation of mists or aerosols can produce mucous membrane and respiratory irritation.
<b>long term exposure</b>	No information available.

#### Carcinogen Status

<b>NOHSC</b>	No significant ingredient is classified as carcinogenic by NOHSC.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC</b>	No significant ingredient is classified as carcinogenic by IARC.

**Medical conditions aggravated by exposure**

None known.



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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.

See SECTION 3 for actual proportions of ingredients present in this product.

#### Ingredients

(R) - p-mentha-1,8-diene

Disodium metasilicate

#### R-Phrases.

R10, R38, R43, R50/53

R34, R37

#### 100% (R) - P-MENTHA-1,8-DIENE (D-limonene, orange oil)

#### Irritation Data

Irritant: skin, eye, inhalation and ingestion. Acute eye irritation = Eye irritation, rabbit. Severely irritating. The skin irritancy of limonene in guinea pigs and rabbits is considered moderate and low, respectively.

**Inhalation:** RD50 >1000 ppm.

**(R) - p-mentha-1,8-diene** is not a skin sensitizer. Improper storage and handling can lead to oxidation. The oxidized forms have shown potential to be skin sensitizers.

#### Toxicity Data

LD<sub>50</sub>, Oral (rat): 4,400 mg/kg.

LD<sub>50</sub>, Dermal (rabbit): >2,000 mg/kg.

LD<sub>50</sub>, Dermal (mice): 5,600 to 6,600 mg/kg.

#### Local Effects

Eye, skin and mucous membrane irritation

#### Target Organs

Eye, skin and mucous membranes

#### Mutagenic Data

No information.

#### Reproductive effects

No information.

#### 100% DISODIUM METASILICATE

#### Irritation Data

Hazardous in case of skin contact (corrosive), of ingestion (corrosive), of inhalation (lung irritant). Causes burns Eye: Risk of serious damage to eyes. Respiratory: Irritating to respiratory system. Sensitization: No sensitizing (30% w/w in a formulation).

250 mg/24 hour(s) skin-human : severe

250 mg/24 hour(s) skin-rabbit : severe

250 mg/24 hour(s) skin-guinea pig : moderate.

#### Toxicity Data

1153 mg/kg oral-rat LD50; 770 mg/kg oral-mouse LD50; 250 mg/kg oral-dog LDLo;

250 mg/kg oral-pig LDLo; 200 mg/kg intraperitoneal-guinea pig LDLo.

Other toxicological information: The toxic effects of the product are caused by the alkalinity and not by substance specific corrosive nature of the product.

#### Local Effects

Corrosive: inhalation, skin, eye. Harmful: ingestion.

#### Target Organs

Skin, mucous membranes, eyes.

#### Acute Toxicity Level

Moderately Toxic: ingestion

#### Mutagenic Data

Gentoxicity: Not mutagenic (in vitro)

#### Reproductive

15 gm/kg oral-rat TDLo 14 week(s) male week(s) pre pregnancy/14 week(s) post pregnancy/3 week(s) continuous; 9766 ug/kg subcutaneous-rat TDLo 1 day(s) male;

#### Effects Data

9766 ug/kg intratesticular-rat TDLo 1 day(s) male.

## SECTION 12 – ECOLOGICAL INFORMATION

#### Fish toxicity

None available for this specific product. Individual ingredients: The following information relates to Sodium, Silicate, Solution, Molar > 3,2 concentration 35% (IUCLID). Ecotoxicity: Fish: 96h - LC50 (Brachydanio rerio, OECD no. 203) : 3185 mg/l (pH 10.1) Daphnia: 48 h - EC50 (Daphnia magna): 4857 mg/l. Daphnia: 48 h - EC50 (Daphnia magna): 4857 mg/l

#### Algae toxicity

None available for this specific product.

#### Invertebrates toxicity

None available.

#### Toxicity to Bacteria

None available for this specific product. Individual ingredients: The following information relates to Sodium, Silicate, Solution, Molar > 3,2 concentration 35% (IUCLID). Bacteria: 48 h - EC 0 (Pseudomonas putida, OECD no. 209) > 1000mg/l (pH 7.9)



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### OECD Biological degradation

Individual components stated to be biodegradable. The following information relates to Sodium, Silicate, Solution, Molar > 3,2 concentration 35% (IUCLID). Environmental behaviour: Degradation abiotic: In aqueous solution of pH=< 9 the silicate is mineralized and precipitated. The maximum concentration of soluble silicates at this pH is 120 mg/l. Degradation Biotic: not applicable. Other information: The pH rise is responsible for the environmental effect on the aquatic life. If not neutralized, this product can be toxic for aquatic organism because of its alkalinity. PH >9 has a corrosive effect on fish (possibly causing death). pH >8.5 will result in destruction of algae. D-limonene is classified as marine pollutant.

### General

Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCT, 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.

R43 – May cause sensitisation by skin contact.

#### SAFETY PHRASES

S2 – Keep out of reach of children.

S24 - Avoid contact with skin.

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).

S60 – This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Material Safety Data Sheets.



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**SUSMP**

S5 (ALKALINE SALTS)

Signal word: **CAUTION**

Cautionary

Statement/s: **KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS****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:** (4) - Strongly alkaline.**Safety Directions:** (1) - Avoid contact with eyes.(4) - Avoid contact with skin.**ADG Code**

None allocated

**AICS**

All ingredients present on AICS.

**SECTION 16 – OTHER INFORMATION****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.

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

**Revision Information****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**

NOV 2012

**Supersedes Issue Date**

OCTOBER 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.