

# MATERIAL SAFETY DATA SHEET

## Section 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

COMPANY Delshine Chemicals  
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 WEB SITE [www.delshinechemicals.com](http://www.delshinechemicals.com)  
 BRAND NAME –AUTO GLASS CLEANER  
 TRADE NAME – AUTO GLASS CLEANER  
 SHIPPING NAME ( section 14 ) CAUSTIC ALKALI LIQUID NOS  
 USE – CLEANING GLASSES IN AUTOMATIC GLASS WASHING MACHINES  
 RESTRICTIONS – KEEP AWAY FROM ACIDS

## Section 2 HAZARDS CLASSIFICATION / IDENTIFICATION

**CLASSIFIED AS : HAZARDOUS – According to the criteria of NOHSC and Classified as Dangerous Goods according to the ADG Code**

**UN NUMBER : 1719**

Risk Phases – R34 Causes burns  
R36/38 Irritating to eyes and skin

Safety Phases - S1/2 Keep locked up and out of reach of children  
S13 Keep away from food , drink and animal foodstuff  
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 you feel unwell seek medical advice immediately  
( Show label whenever possible )

## Section 3 COMPOSITION / INFORMATION OF INGREDIENTS

| Chemical Entity:                 | CAS No:    | Proportion (% mass) |
|----------------------------------|------------|---------------------|
| Potassium Hydroxide              | 1310-58-3  | < 10                |
| Sodium Metasilicate Pentahydrate | 10213-79-3 | < 10                |

## Section 4

## FIRST AID MEASURES

Poisons Information Centres in each state capital city can provide additional assistance for scheduled poisons. Ring 13 11 26.

**Ingestion** – Immediately rinse mouth with water. Give water to drink. DO NOT induce vomiting. If vomiting occurs place victims face downwards, head lower than hips to prevent vomit entering lungs. Seek immediate medical assistance.

**Eye Contact** – Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance.

**Skin Contact** – Immediately wash contaminated skin with plenty of water. For gross contamination immediately drench with water and remove clothing. Remove contaminated clothing and wash before re use. If swelling , redness or blistering occurs seek medical advice.

**Inhalation** – Remove victim from exposure – Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible .

**Notes to physician** – Treat symptomatically and as for strongly alkaline corrosive material.

**First Aid Facilities:**       **Ensure an eye bath and safety shower are available and ready for use.**

## Section 5

## FIRE FIGHTING MEASURES

**Fire Fighting advice** – Not combustible . Keep containers cool with water spray. Fire fighters to wear self containers breathing apparatus if risk of exposure to vapour or products of combustion.

**Suitable extinguishing Media** – Water fog ( or if unavailable fine water spray ) foam , dry agent ( carbon dioxide, dry chemical powder ).

**HAZCHEM CODE : 2 R**

## Section 6

## ACCIDENTAL RELEASE MEASURES

Slippery when spilt. Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination. Contain using sand and soil – prevent runoff into drains and waterways. For small spills hose away with copious amounts of water. Use absorbent ( soil ,sand inert material vermiculite ). Collect and seal in property labeled containers for disposal.

## Section 7

## HANDLING AND STORAGE

**Storage** – As for class 8 dangerous goods. Keep containers closed at all times. Store in cool area away from acids and foodstuffs. Do not store in aluminum or galvanized containers or use die-cast zinc or aluminum bungs. Plastic or steel bungs should be used. Observe good occupational hygiene. Remove contaminated clothing before entering eating areas.

**Handling** – Always wash hands after handling prior to eating , drinking , smoking or going to the toilet.

**CLASS - 8**

**Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

National occupational exposure limits-

No value assigned for this specific material by the National Occupational Health and Safety Commission ( worksafe Australia )

**Engineering Measures** – No special requirements.

Person Protection Equipment – Avoid skin and eye contact. Wear protective clothing, closed footwear , pvc gloves or rubber gloves and safety glasses , goggles or face mask.

**Section 9 PHYSICAL & CHEMICAL PROPERTIES**

**APPEARANCE** - Clear

**ODOUR** - Alkaline

**PH** – 12.1

**VAPOUR PRESSURE** – Not available

**BOILING POINT °C** - 100

**VAPOUR DENSITY** – Not available

**FREEZING POINT °C** – Not available

**SOLUBILITY** - Complete

**SPECIFIC GRAVITY** – 1.22

**ADDITIONAL INFORMATION****Section 10 STABILITY & REACTIVITY**

Stability – Shelf life – Auto Glass Cleaner when stored in a cool area is a stable product and will not deteriorate within a reasonable time. Avoid conditions of heat and freezing. Avoid contact with aluminum, zinc , brass , galvanized and painted surfaces and acids.

**Section 11 TOXICOLOGICAL INFORMATION**

**Main Symptoms** – No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are **Acute** –

**Ingestion** – Swallowing can result in nausea , vomiting , diarrhoea , abdominal pain , swelling of the larynx and burns to the oesophagus.

**Eye contact** – A severe eye irritant. Contamination of the eyes can result in permanent injury. Corrosive to the eyes – contact can cause corneal burns.

**Skin Contact** – Contact with skin will result in severe irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Corrosive to skin – may cause skin burns. Skin contact often does not cause pain, thus care should be taken to avoid contaminating gloves and boots.

**Inhalation** – Inhalation of mists will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum , pulmonary oedema , pneumonitis and emphysema.

**Long Term Effects** – Chronic effects are unlikely due to the severity of acute effects.

**Toxicity Data** – No data available for Auto Glass Cleaner.

For components –

Potassium Hydroxide – Skin (Rabbit ) severe irritation 500mg/24hrs Eyes (Rabbit) severe irritation 1mg/30seconds

Sodium Metasilicate Oral LD50 = 1280 mg/kg ( RAT ) Dermal LD50 = not available – Skin ( human ) 250mg/24hrs severe. Inhalation LC50 = not available .Not listed as a carcinogen by OSHA , NTP or IARC.

## **Section 12 ECOLOGICAL INFORMATION**

No Data available for Auto Glass Cleaner.

Elevation of Ph at point of entry and immediate surrounds. Will be toxic to aquatic organisms.

Avoid contaminating waterways.

## **Section 13 DISPOSAL CONSIDERATIONS**

Refer to State Waste Management Authority. May be greatly diluted or carefully neutralized with dilute acids and flushes to drain with copious amounts of water. Alternatively normally suitable for disposal at an approved land waste site.

## **Section 14 TRANSPORT INFORMATION**

**UN NUMBER : 1719**

**UN PROPER SHIPPING NAME : Caustic Alkali Liquid NOS**

**CLASS: 8 PACKING GROUP: 11 HAZCHEM CODE: 2R IERG : 37**

## **Section 15 REGULATORY INFORMATION**

**POISONS SHEDULE ( SUSDP ) Hazardous according to the criteria of Worksafe Australia. Hazardous category Corrosive.**

Risk Phases R34 Causes burns  
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**Poisons Schedule ( Aust ) Toxic Substance ( NZ ) Schedule 6**

**Section 16**

**OTHER INFORMATION**

DATE OF LAST REVISION OF MATERIAL SAFETY DATA SHEET :

13th May 2016

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**AUTHORISATION FOR ISSUE** \_\_\_\_\_ **DATE** \_\_\_\_/\_\_\_\_/\_\_\_\_\_  
**Les Buss**

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**END OF M.S.D.S**