

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

PRODUCT NAME: CL 40

SYNONYMS:

PRODUCT CODES:

MANUFACTURER: Nanovations Pty Ltd

DIVISION:

ADDRESS: Frenchs Forest NSW 2086, Australia

EMERGENCY PHONE: + 612 9975 5602

CHEMTREC PHONE: 1 (800) 424-9300

OTHER CALLS:

FAX PHONE: +612 8252 0898

CHEMICAL NAME:

CHEMICAL FAMILY:

CHEMICAL FORMULA:

PRODUCT USE: Water based , abrasive glass cleaner

PREPARED BY: Nanovations Pty Ltd

SECTION 1 NOTES:

Section 2. Composition, Information on Ingredients

Name	CAS	%	ACGIH TL	OSHA PEL
Amorphous and crystalline silica	7631-86-9	20 – 30 %	10 mg/cbm	10 mg /cbm
Citric Acid	5949-29-1	2- 4 %	N/A	N/A
Water		60 - 100 %	N/A	N/A

Section 3. Hazard Identification

Eye Contact: Irritating to the eye .

Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness.

Chemically sensitive individuals may experience mild irritation.

Ingestion: May cause stomach or intestinal irritation if swallowed.

Inhalation: Avoid the generation of dust . Do not inhale dust

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact In case of contact, flush skin with plenty of water and soap..

Inhalation Remove to fresh air. Ventilate work area

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Give a copious amount of water to drink. If large quantities of this material are swallowed, call a physician immediately.

Section 5. Fire Fighting Measures

Flammability of the Product	Non Flammable
Auto ignition Temperature	Not applicable.
Flash Points	
Flammable Limits	Not applicable.
Products of Combustion	None
Unusual fire/explosion hazards	Not applicable.
Fire Fighting Media and Instructions	Use extinguishing media appropriate for surrounding fire. Not applicable

Section 6. Accidental Release Measures

Large Spill and Leak Small quantities can be mopped or wiped up with rags.
For small spills add absorbent (soil may be used in the absence of other suitable materials)

Technical safety measures

Not applicable.

Personal safety measures

Avoid contact with the eyes and skin. Wear suitable gloves (see also sections 7 and 8). Protective goggles/face mask.

Environmental protection measures

Do not allow the substance to contaminate the soil, sewerage system or bodies of water.

Cleaning procedure

Soak up any liquid that escapes with absorbent material and dispose of according to the local regulations in sealed containers. Subsequently clean with suitable binding agents (for example sand (to contain the liquid) or a universal binder (for example Chemisorb))

Section 7. Handling and Storage**Handling****Instructions for safe handling**

Keep containers tightly sealed.

Instructions concerning fire and explosion protection

Not applicable.

Storage**Warehouse and container specifications**

Store in tightly sealed containers,

Only store in original containers. Do not use containers made of metal (danger of corrosion).

Storage class (VCI): 12 (non-flammable liquid) EU

Section 8. Exposure Controls, Personal Protection**Occupational Exposure Limits****Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 6 (mg/m3) [United Kingdom (UK)] Inhalation Total. TWA: 2.4 (mg/m3) [United Kingdom (UK)] Inhalation Respirable. TWA: 6 (mg/m3) from NIOSH [United States] [1997] Inhalation TWA: 2 (mg/m3) [Australia] Inhalation Respirable. Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state	Liquid.	Odor	nearly odorless
flash point:	> 100 C , > 200 F		
pH	~ 2.5	Color	milky beige
Boiling/Condensation	>98°C (208°F)		
Point Melting/Freezing	0°C (32°F) based on data for water		
Point Specific Gravity	~1,2 g/cm ³ (Water = 1)		
Vapor Pressure	Not available.		
Density			
Odor Threshold	N/A		
Evaporation Rate	N/A		
LogK_{ow}	N/A		
Dispersion			
Solubility	Soluble in water.		

Section 10. Stability and Reactivity**Conditions to avoid**

Not known.

Material to avoid

Not known.

Hazardous decomposition products

None known.

Dangerous reactions

Not known.

Section 11. Toxicological Information

Acute toxicity	No Information
LD/LC50	class 1 slightly harmful to aquatic organisms.
Skin:	Slightly irritating
Eyes	Irritating
Sensitisation:	The material is not sensitising
Additional info	N/A

Section 12. Ecological Information

An environmental hazard cannot be ruled out in the case of improper handling and disposal.

Ecotoxicological effects:

Currently no data available

Additional information :

The products is biodegradable

Aquatic toxicity: 1 mildly hazardous to waters (VwVwS).

Do not allow waste which is undiluted to enter groundwater, bodies of water, the sewerage system or to seep into soil.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Consult your local or regional authorities.

Section 14. Transport Information**14.1 Road transport:****Land transport DOT (ADR/RID)**

Not regulated

14.2 Sea transport:**Marine transport IMDG**

Not regulated,

14.3 Air transport**IATA:**

Not regulated

Section 15. Regulatory Information

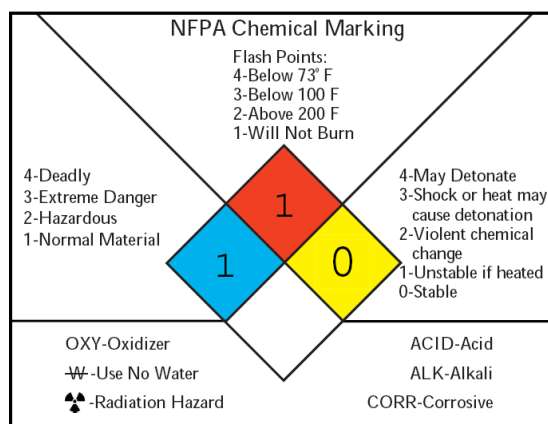
U.S. Regulations	US INVENTORY (TSCA): Listed on inventory.
Other Regulations	AUSTRALIAN INVENTORY (AICS): inventory.
	CANADA INVENTORY (DSL): Listed on inventory.
	CHINA INVENTORY (IECS): Listed on inventory.
	EU (EINECS/ELINCS): Listed on inventory.
	JAPAN INVENTORY (ENCS): Listed on inventory.
	KOREA INVENTORY (ECL): Listed on

R-phrases and S-phrases

R36: Eye irritation
 (S2): Keep out of the reach of children
 S29: Do not empty into drains

Section 16. Other Information

Label Requirements



Section 17. Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.