



FICHA TÉCNICA

Producto: **CL40X Removedor de marcas de agua en vidrio**

DESCRIPCIÓN: Limpiador abrasivo para vidrio, cerámica y superficies sanitarias. CL40x elimina machas de agua, fuertes manchas de calcio, manchas de sal y manchas de cemento, escoria de jabón y otras contaminaciones en la superficie del vidrio sin rayarlo. Excelente restaurador de vidrios. A base de agua con abrasivo fino que no raya el vidrio. No contiene químicos.

CÓDIGO: NANO41-CL40x1L



Marca: Nanovations Pty

Volumen: 1 L.

Color: Amarillo

Temperatura de Almacenamiento: hasta 4° C

Temperatura de Uso: 4°C to 30 °C

Aplicacion: agitar el contenedor antes de aplicar CL 40

a un paño de fibra limpio. Limpiar la superficie realizando

movimientos circulares, luego pulir el producto y limpiar

restos con agua. En emperaturas calidas se recomienda

rociar un poco de agua antes de aplicar.

Volumen: 1 L.

Apariencia: Liquido Amarillo

Temperatura de Almacenamiento: 4° C ~ 30° C

Procedencia: Importado

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/cm³ (Water = 1)		
Vapor Pressure Vapor Density	Not available.		
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

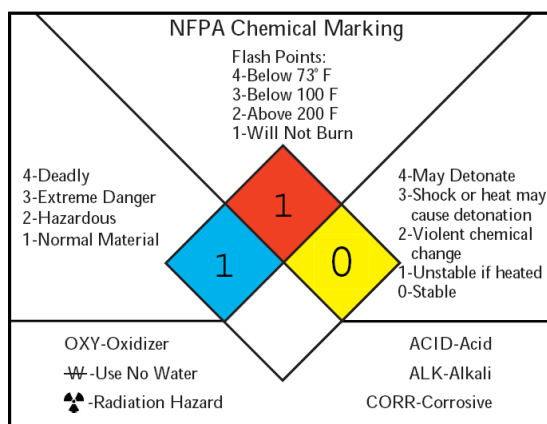
U.S. Regulations	US INVENTORY (TSCA): Listed on inventory.
Other Regulations	AUSTRALIAN INVENTORY (AICS): inventory.
	CANADA INVENTORY (DSL): Listed on inventory.
	CHINA INVENTORY (IECS): Listed on inventory.
	EU (EINECS/ELINCS): Listed on inventory.
	JAPAN INVENTORY (ENCS): Listed on inventory.
	KOREA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

High performance abrasive cleaner for smooth surfaces

DESCRIPTION

CL 40 Abrasive Glass Cleaner is a water based, abrasive cleaner for glass, ceramic and sanitary surfaces. It is also the recommended surface preparation for Nanotechnology treatments like NG 1010. CL 40 removes hard water stains, salt spots, render and cement stains, soap scum and other pollutions from glass surfaces. It also removes wax from car washes and silicon and other chemicals. Surfactant approved by the Swedish society of Natural Conservation.

RECOMMENDED FOR

For the surface preparation and cleaning of glass, ceramic and plastic. Note: Acrylic surfaces may scratch. Before using, test on a small hidden area

FEATURES & BENEFITS

- **Water based, environmentally friendly**
- **Excellent cleaning solution**
- **Economical, outstanding coverage rate**

SPECIFICATIONS

Supply form	Liquid
Colour	Yellowish
Solvents	< water
Flashpoint	Non Flammable
Storage temperature	Not below 4°C /39°F
Application temperature	4 to 30 °C / 41 to 86°F

SURFACE PREPARATION

In hot conditions please wet the surface with some water. Remove all substances that can cause scratches.

APPLICATION

Shake container well, before applying CL 40 to a clean fibre cloth or a sponge. Clean the surface with circular motions. Polish off the product. Remove all cleaning residue with clean water.

In hot conditions, we recommend to spray some water on to the substrate, and apply the product on the wet surface. Application temperature: + 5 °C to +30°C/41 to 86°F. Do not apply or mix together with chlorinated cleaning agents.

TOOLS

Micro fibre cloth, sponge clean towels Buffing machine with felt, wool pad. Standard window cleaning tools.

CONSUMPTION

Consumption approximate 10- 25 ml per square metre. Coverage rates are a guideline only.

CLEANING

Tools should be cleaned with clean water after use.

STORAGE

CL 40 can be stored in tightly sealed original containers for at least 24 months, if kept dry and at moderate temperatures.

It is important to reseal containers tightly after use. Store in a cool, dry place and protect from heat, freezing and direct sunlight. Thickened product can be diluted with some water.

The product must be stored in accordance with national regulations.

PACKAGING

CL 40 Abrasive Cleaner is available in 1 litre. Larger container are available on request.

PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON PACKAGING BEFORE USE. REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES.

CL 40 is not classified as dangerous goods.

Adequate protective personal equipment should be used. Please read the Material Safety Data Sheet.

The information, and, in particular, the recommendations relating to the application and end-use of the products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request. Technical information and services are freely available on our web site

www.nanovations.com.au

Sydney Office:

Nanovations Pty Ltd

Ph. +61 2 9975 5602

Email info@nanovations.com.au

Web site www.nanovations.com.au