# Safety Data Sheet

## *Section 1. Chemical Product and Company Identification*

**PRODUCT NAME:** CL 50
**SYNONYMS:**
**PRODUCT CODES:**

**MANUFACTURER:** Nanovations Pty Ltd
**DIVISION:** Unit 16 , 8 Tilley Lane
**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 , Abrasive wet wipe sachets for glass
**PREPARED BY:** Nanovations Pty Ltd

**SECTION 1 NOTES:**

## *Section 2. Hazard Identification*

**3.1. Classification of the substance or mixture Classification according to Regulation 29CFR 1910.1200**

| | | |
|---|---|---|
| Causes eye irritation | Category 2b | H320 |
| Skin irritation | Category 3 | H316 |

**2.2. Label elements**

Symbol(s) : Not applicable
Signal word : Warning

hazard statement

: H316 - Causes mild skin irritation.
H320 - Causes eye irritation.

Precautionary Statement (Prevention): P264 - Wash s kin thoroughly after handling.
P280 - Wear protective gloves and eye protection

Precautionary Statement (Res pons e): P302+ 352 IF ON SKIN: Wash with plenty of water/ soap
P305+ 351 IF IN E YES: Rinse cautiously with water for several minutes .

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## *Section 3. Composition, Information on Ingredients*

| Name | CAS | % | GHS Classification |
|---|---|---|---|
| Iso Propyl Alcohol | 67-63-0 | 1-2 % | Flam. Liq. 2, H225 |
| Silica fumed (SiO2) | 14808-60-7 | < 1 % | N/A |
| N,N-dimethyldecan-1-amine oxide | 2605-79-0 | < 0.1 % | Eye and skin Irrit, H319,H315 |
| Non hazardous | | up to 100 % | N/A |

## *Section 4. First Aid Measures*

**First aid following skin contact** Wash off with soap and water.

**First aid following eye contact** Rinse with plenty of water. Get medical attention if irritation develops and persists.

**First aid following swallowing** Rinse mouth . Give a copious amount of water to drink. Do not induce vomiting. Seek medical attention.

**Inhalation :** Remove to fresh air.

## *Section 5. Fire Fighting Measures*

**Suitable extinguishing agents**
The product itself is non-inflammable. No hazardous decomposition products.

**Special protective gear during fire fighting**
none
**Specific hazards:**
Not applicable
Lower explosion limit : Note: no data available
Upper explosion limit : Note: no data availab

## *Section 6. Accidental Release Measures*

**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**
Avoid aerosols generation.. 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-inflammable liquid)
**VbF:** Europe: not applicable

## *Section 8. Exposure Controls, Personal Protection*

Provide personal protective equipment.
**Exposure Limits:**
Isopropanol CAS No.: 67-63-0 OSHA PEL
The current Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) for isopropyl alcohol is 400 ppm (980 milligrams per cubic meter (mg/m(3))) as an 8-hour time-weighted average (TWA) concentration [29 CFR 1910.1000, Table Z-1].

NIOSH REL

The National Institute for Occupational Safety and Health (NIOSH) has established a recommended exposure limit (REL) for isopropyl alcohol of 400 ppm (980 mg/m(3)) as a TWA for up to a 10-hour workday and a 40-hour workweek and a short-term exposure limit (STEL) of 500 ppm 1225 mg/m(3)) for periods not to exceed 15 minutes. Exposures at the STEL concentration should not be repeated more than four times a day and should be separated by intervals of at least 60 minutes [NIOSH 1992].
The ACGIH limits are based on the risk of eye, nose, and throat irritation [ACGIH 1991, p. 829].

**Personal Protective Equipment**
**General Protection and Hygiene :**
Avoid contact with eyes and skin. Do not eat, drink or smoke during work. Take off contaminated, saturated clothing immediately.
**Respiratory Protection :** No.
**Hand Protection :** Gloves
**Eye Protection :** Safety goggles
**Skin Protection :** Light protective clothing

## *Section 9. Physical and Chemical Properties*

| | | | |
|---|---|---|---|
| Apperance | Clear blueish | Odor | Slightly alcoholic |
| PHYSICAL STATE: | Liquid | pH AS SUPPLIED: | 7.5 – 8 |
| BOILING POINT F:<br>C: | | MELTING POINT F:<br>C: | |
| VAPOR PRESSURE (mmHg):<br>@ C:<br>F: | | VAPOR DENSITY (AIR = 1):<br>@ C:<br>F: | |
| VOLATILE ORGANIC COMPOUNDS (VOC): | 10 -20 g / litre | MOLECULAR WEIGHT:<br>VISCOSITY: | |
| SPECIFIC GRAVITY (H2O = 1): | 0.98 g / cm3 | **Flashpoint** | **F: >142**<br>**C: > 70** |
| EVAPORATION RATE:<br>BASIS (=1): | | SOLUBILITY IN WATER | yes |
| | | | |

## *Section 10. Stability and Reactivity*

**STABILITY:** **product is stable**

**CONDITIONS TO AVOID (STABILITY):** **N/A**

**INCOMPATIBILITY (MATERIAL TO AVOID):** **N/A**

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A**

**HAZARDOUS POLYMERIZATION:** **N/A**

**CONDITIONS TO AVOID (POLYMERIZATION):** **N/A**

## *Section 11. Toxicological Information*

Acute oral toxicity : No data available
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available

(Sub)acute to chronic toxicity
No risk of damage to fertility will occur if the industrial safety limit values are complied with.

Primary irritancy
Skin: May results in mild irritation.
Eyes: Exposure to the eyes may cause mild irritation.

## *Section 12. Ecological Information*

**Eco-toxicity** No Data

**Chronic aquatic toxicity** This material is not expected to be harmful to aquatic life

**Persistence Potential** This product is readily biodegradable.

## *Section 13. Disposal Considerations*

**Material Disposal** : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognized collector or contractor. .

**Container Disposal** : Drain container thoroughly.

## *Section 14. Transport Information*

**14.1 Road transport:**
**U.S. DOT and Canadian TDG Surface Transportation:**

**NA number** 1993
**Class:** Combustible Liquid N.O.S
**Packaging group:** **PG III**
**Nanovations ships this product as "Non-Regulated" per DOT exception for Combustible Liquids. (49 CFR 173.150)**

**14.2 Sea transport:**
**Marine transport IMDG**
Not regulated,
**14.3 Air transport:**
Not regulated

## *Section 15. Regulatory Information*

**U.S. Regulations** US INVENTORY (TSCA): All components are listed or exempted.
**Other Regulations** Australia inventory (AICS): All components are listed or exempted.
Canada inventory: All components are listed or exempted.
Japan inventory: All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Korea inventory: All components are listed or exempted.
New Zealand Inventory (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.
United States inventory (TSCA 8b): All components are listed or exempted.
Taiwan inventory (CSNN): All components are listed or exempted.

## *Section 16. Other Information*

**Labeling according to Regulation (EC) No 1272/2008**

ENVIRONMENTAL HAZARDS:
Not classified as an environmental hazard under GHS criteria.
No hazardous preparation within the meaning of this rule

**Labelling according to Regulation 67/548/EEC or Regulation 1999/45/EC**
No hazardous preparation within the meaning of this rule

**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.**