

Material Safety Data Sheet

Limogel

1. Product and company identification

Product name	: Limogel
Material uses	: Semi-liquid hand cleaner with plastic beads.
Supplier/Manufacturer	: V-TO Inc. 2975, Nelson Saint-Hyacinthe QC J2S 1Y5 Tél: (450) 774-6849 Fax:(450) 774-4334
MSDS authored by	: KMK Regulatory Services inc.
In case of emergency	: CANUTEC (613) 996-6666 (Canada)
Product type	: Liquid.

2. Hazards identification

Emergency overview

Color	: Turquoise.
Physical state	: Liquid. [Semi-liquid opaque.]
Odor	: Citrus.
Signal word	: WARNING!
Hazard statements	: CAUSES EYE IRRITATION. HARMFUL OR FATAL IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE.
Precautions	: Do not ingest. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Inhalation	: No known significant effects or critical hazards.
Ingestion	: Aspiration hazard if swallowed. Can enter lungs and cause damage.
Skin	: No known significant effects or critical hazards.
Eyes	: Irritating to eyes.

Potential chronic health effects

Chronic effects	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation	: No specific data.
Ingestion	: Adverse symptoms may include the following: nausea or vomiting
Skin	: Adverse symptoms may include the following: irritation
Eyes	: Adverse symptoms may include the following: irritation watering redness

See toxicological information (section 11)

3. Composition/information on ingredients

Name	CAS number	%
Naphtha (petroleum), heavy alkylate	64741-65-7	10 - 30
Nonlyphenol ethoxylated	9016-45-9	5 - 10

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Eye contact	: Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.
Skin contact	: If skin irritation occurs, seek medical attention.
Inhalation	: Move exposed person to fresh air. Get medical attention if symptoms appear.
Ingestion	: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

5. Fire-fighting measures

Flammability of the product	: No specific fire or explosion hazard.
Extinguishing media	
Suitable	: Use an extinguishing agent suitable for the surrounding fire.
Not suitable	: None known.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective equipment for fire-fighters	: No special protection is required.

6. Accidental release measures

Personal precautions	: No special measures required.
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	
Spill	: Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

7. Handling and storage

Handling	: Do not ingest. Avoid contact with eyes. Keep container closed. Wash thoroughly after handling.
Storage	: Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls/personal protection

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other	Notations
No exposure limit value known.											

Consult local authorities for acceptable exposure limits.

8. Exposure controls/personal protection

Recommended monitoring procedures	: No special measures required.
Engineering measures	: No special measures required.
Hygiene measures	: Follow good industrial hygiene practice.
Respiratory	: Recommended: Wear an appropriate NIOSH approved respirator if concentration levels exceed the safe exposure limits.
Hands	: Not required under normal conditions of use.
Eyes	: Recommended: Safety glasses with side shields.
Skin	: Not required under normal conditions of use.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

9. Physical and chemical properties

Physical state	: Liquid. [Semi-liquid opaque.]
Color	: Turquoise.
Odor	: Citrus.
pH	: 6.5 to 8.3

10. Stability and reactivity

Chemical stability	: The product is stable.
Conditions to avoid	: No specific data.
Materials to avoid	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological information

Acute toxicity	: No specific data.
Chronic toxicity	: No specific data.

12. Ecological information

Environmental effects	: Not established
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Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Nonlyphenol ethoxylated	Acute LC50 1 to 2 ug/L Fresh water	Crustaceans - Thamnocephalus platyurus	48 hours
	Acute LC50 4800 ug/L Fresh water	- Nauplii - 24 hours Daphnia - Daphnia pulex - LARVAE - <=24 hours	48 hours
	Acute LC50 1300 to 1800 ug/L Fresh water	Fish - Lepomis macrochirus - 1 g	96 hours

Other adverse effects	: No known significant effects or critical hazards.
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13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

TDG/IMDG/IATA : Not regulated.

15. Regulatory information

WHMIS (Canada) : Class D-2B: Material causing other toxic effects (Toxic).
Canadian lists : **CEPA Toxic substances**: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

Canada inventory : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

International regulations

International lists : **Australia inventory (AICS)**: All components are listed or exempted.
China inventory (IECSC): All components are listed or exempted.
Japan inventory: Not determined.
Korea inventory: All components are listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
Philippines inventory (PICCS): All components are listed or exempted.

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

16. Other information

WHMIS (Canada) :



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16 . Other information

Notice to reader

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.