

STEPOSOL® CITRI-MET

Version 1.1
Revision Date: 10/18/2024

Date of last issue: 02/12/2024
Date of first issue: 02/12/2024

SECTION 1. IDENTIFICATION

Product name : STEPOSOL® CITRI-MET

Product code : 1082523

Other means of identification : No data available

Manufacturer or supplier's details

Company name of supplier : STEPAN US

Address : 1101 Skokie Blvd, Suite 500
Northbrook IL 60062

Telephone : (847) 446-7500

Emergency telephone number

Canutec	1-613-996-6666
Chemtrec	1-800-424-9300
Chemtrec Int'l	1-703-527-3887
Medical	1-800-228-5635 (Available 24 hours a day. SDS/Product information may not be available for the emergency service.)
Emergency	1-705-330-3366

Initial Supplier Identifier
Données relatives au fournisseur

Univar Solutions Canada Ltd.

64 Arrow Road
North York, ON M9M 2L9
Telephone: 1-866-686-4827

Recommended use of the chemical and restrictions on use

Recommended use : Surfactant for use in cleaning products

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Flammable liquids : Category 3

Acute toxicity (Oral) : Category 4

Skin irritation : Category 2

Serious eye damage : Category 1

Skin sensitisation : Sub-category 1B

Short-term (acute) aquatic hazard : Category 2

GHS label elements

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Hazard pictograms

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Signal word

: Danger

Hazard statements

: H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H401 Toxic to aquatic life.

Precautionary statements

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing mist or vapours.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P321 Specific treatment (see supplemental first aid instructions on this label).

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste dis-

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posal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Components**

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Alcohol alkoxylate**	Alcohol alkoxylate	HMIRA/LCRM D #03376579**	10 - 30 *
Alkylaryl sulfonate**	Alkylaryl sulfonate	HMIRA/LCRM D# 03376579**	15 - 40 *
9-Decenamide, N,N-dimethyl-	9-Decenamide, N,N-dimethyl-	1356964-77-6	10 - 30 *
d-Limonen	(R)-p-mentha-1,8-diene	5989-27-5	5 - 10 *
sodium carbonate	sodium carbonate	497-19-8	1 - 5 *

* Actual concentration or concentration range is withheld as a trade secret., CAS number 8026-48-6 may be used as an alternate CAS number to 5989-27-5.

** See Section 15 for HMIRA information.

SECTION 4. FIRST AID MEASURES

General advice	: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
If inhaled	: Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of skin contact	: Remove contaminated clothing and shoes. Wash off with soap and water. Get medical attention if irritation develops and persists. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
In case of eye contact	: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Continue rinsing. Get medical attention immediately.
If swallowed	: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
Most important symptoms and effects, both acute and delayed	: Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide, dry powder, foam.
Fog
- Unsuitable extinguishing media : Water spray jet
- Specific hazards during fire-fighting : Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Closed containers may rupture violently when heated.
May form explosive mixtures in air.
- Further information : In the event of fire and/or explosion do not breathe fumes.
In the event of fire, cool tanks with water spray.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Keep people away from and upwind of spill/leak.
Use clean non-sparking tools to collect absorbed material.
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
- Environmental precautions : Local authorities should be advised if significant spillages cannot be contained.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Non-sparking tools should be used.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Clean thoroughly.
After cleaning, flush away traces with water.
Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

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SECTION 7. HANDLING AND STORAGE

- Technical measures : Ensure that eyewash stations and safety showers are close to the workstation location.
- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.
Use explosion-proof equipment.
Vapours may form explosive mixtures with air.
Keep away from open flames, hot surfaces and sources of ignition.
Keep away from direct sunlight.
No sparking tools should be used.
No smoking.
Normal measures for preventive fire protection.
- Advice on safe handling : Already sensitised individuals should consult their physician regarding working with respiratory irritants or sensitisers.
Wear personal protective equipment.
For personal protection see section 8.
Provide sufficient air exchange and/or exhaust in work rooms.
As a rule, at least 10 air changes per hour are recommended at the workplace.
Handle and open container with care.
Keep container closed when not in use.
Do not get in eyes or mouth or on skin.
Do not swallow.
Do not breathe dust, fume, gas, mist, vapours or spray.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use explosion-proof electrical, ventilating and lighting equipment.
Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity.
Do not use sparking tools.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
- Conditions for safe storage : Keep from freezing. Keep at temperatures above 10 °C / 50 °F.
Keep in properly labelled containers.
Store in original container.
Keep tightly closed.
Store locked up.
Keep cool. Protect from sunlight.
Keep away from sources of ignition - No smoking.
Keep in an area equipped with sprinklers.
Take measures to prevent the build up of electrostatic charge.
- Materials to avoid : Store away from incompatible materials (see Section 10 of the SDS).
- Further information on storage stability : No decomposition if stored and applied as directed.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Remarks : Protective gloves The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Wear safety glasses with side shields or goggles.
Face-shield

Skin and body protection : Lightweight protective clothing
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Protective measures : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Hygiene measures : Do not taste or swallow.
General industrial hygiene practice.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.
Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : light yellow

Odour : citrus

Orange-like odor

pH : 10,5 - 11,5
(undiluted)

Melting point/freezing point : -19 °C

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Pour point	-16 °C
Boiling point/boiling range	: > 93,9 °C
Flash point	: 57,5 °C
	Method: Pensky-Martens closed cup
Density	: 9,02 lb/gal (25 °C)
Auto-ignition temperature	: 237 °C
Viscosity	
Viscosity, dynamic	: 26 mPa.s (25 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Temperatures greater than recommended storage temperature. Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Harmful if swallowed.

Product:

Acute oral toxicity	: LD50: > 1.500 mg/kg Method: Acute toxicity estimate Assessment: The component/mixture is moderately toxic after single ingestion.
Acute inhalation toxicity	: Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50: > 2.000 mg/kg Method: Acute toxicity estimate Assessment: The component/mixture is minimally toxic after single contact with skin.

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Causes skin irritation.

Assessment : Irritating to skin.

Causes serious eye damage.

Assessment : Corrosive

May cause an allergic skin reaction.

Based on available data, the classification criteria are not met.

Assessment : The product is a skin sensitiser, sub-category 1B.

Assessment : Does not cause respiratory sensitisation.

Not classified due to lack of data.

Germ cell mutagenicity - Assessment	:	Contains no ingredient listed as a mutagen
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Based on available data, the classification criteria are not met.

Carcinogenicity - Assessment	: Not classifiable as a human carcinogen.
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Not classified due to lack of data.

Reproductive toxicity - Assessment : No toxicity to reproduction

Based on available data, the classification criteria are not met.

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

SAFETY DATA SHEET



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STOT - repeated exposure

Based on available data, the classification criteria are not met.

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks : Not classified

Aspiration toxicity

Not classified due to lack of data.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of contents/ container to an approved waste disposal plant.

The hazard and precautionary statements displayed on the

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Contaminated packaging : label also apply to any residues left in the container.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

TDG

Not regulated as a dangerous good

Special precautions for user

Remarks : Not dangerous goods., Sustained burning was not present with this material.

SECTION 15. REGULATORY INFORMATION

NPRI Components : d-Limonen
ethanediol
methanol
ethylbenzene
d-Limonen
ethanediol
methanol
ethylbenzene

The components of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

AIIC : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory, This product contains a substance which is subject to a Significant New Active Notice (SNAc) under the Canadian Environmental Protection Act.

IECSC : Not in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

ISHL : Not in compliance with the inventory

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NZIoC : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

TCSI : Not in compliance with the inventory

Registration: Trade secret

Registration number	Registration
03376579	Filed on 06/20/2020

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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