

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 0.1% Trifluoroacetic Acid in Water

SDS Number : 000000011407

Product Use Description : Laboratory Use

Manufacturer or supplier's details : CHEM-SUPPLY Pty Ltd
38-50 Bedford St.
Gillman SA 5013, Australia

For more information call : +61 8 8440 2000
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : Medical: 1-800-498-5701 or +1-303-389-1414
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-**
: **527-3887**
:
: **CHEMTREC in Australia: +(61)-290372994**
: (24 hours/day, 7 days/week)

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

GHS Label elements, including precautionary statements

Precautionary statements : **Prevention:**
Use personal protective equipment as required.

Other hazards which do not result in classification : Repeated or prolonged exposure may irritate eyes, skin and respiratory system.

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

Hazard classification

Not classified as dangerous goods according to the ADG Code.

Not classified as hazardous according to criteria of NOHSC.

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Dilute solution of Trifluoroacetic acid in Water

Chemical nature : Mixture

CAS-No. : 76-05-1

Hazardous components

none

4. FIRST AID MEASURES

Inhalation : Remove to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
Use oxygen as required, provided a qualified operator is present.
Call a physician.

Skin contact : Wash off immediately with plenty of water for at least 15 minutes.
Take off contaminated clothing and shoes immediately.
Wash contaminated clothing before re-use.
Call a physician if irritation develops or persists.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Call a physician if irritation develops or persists.

Ingestion : Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.
Call a physician.

Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

	Foam Carbon dioxide (CO ₂) Dry chemical Cool closed containers exposed to fire with water spray.
Specific hazards during firefighting	: In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO ₂) Hydrogen fluoride
Special protective equipment for firefighters	: Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all sources of ignition. Do not swallow. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing.
Environmental precautions	: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Discharge into the environment must be avoided. Do not flush into surface water or sanitary sewer system. Do not allow run-off from fire fighting to enter drains or water courses.
Methods for cleaning up	: Ventilate the area. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE**Handling**

Advice on safe handling	: Wear personal protective equipment. Use only in well-ventilated areas. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
-------------------------	---

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

Do not swallow.
 Avoid breathing vapours, mist or gas.
 Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.
 Keep away from heat and sources of ignition.
 Keep away from direct sunlight.
 Protect from physical damage.
 Store away from incompatible substances.
 Container hazardous when empty.

Materials to avoid : Sodium, Phosphorus, Strong oxidizing agents, Bases, Acids

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

none

Engineering measures

Use with local exhaust ventilation.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
 Use NIOSH approved respiratory protection.

Hand protection : Protective gloves
 Gloves must be inspected prior to use.
 Replace when worn.

Eye protection : Do not wear contact lenses.
 Wear as appropriate:
 Safety glasses with side-shields
 Safety goggles
 If splashes are likely to occur, wear:
 Goggles or face shield, giving complete protection to eyes

Skin and body protection : If splashes are likely to occur, wear:

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

	Acid-resistant protective clothing
Hygiene measures	: When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Keep working clothes separately. Remove and wash contaminated clothing before re-use. Do not swallow. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing.
Protective measures	: Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid
Colour	: colourless
Odour	: odourless
pH	: ca. 2.0
Melting point/range	: 0 °C
Boiling point/boiling range	: 100 °C
Flash point	: Note: Not applicable
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapour pressure	: 23.38 hPa at 20 °C(68 °F)
Vapour density	: 0.46
Density	: 0.9982 g/cm ³ at 20 °C

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

Water solubility : Note: completely soluble

Ignition temperature : Note: Not applicable

10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Hazardous polymerization does not occur.

Conditions to avoid : Protect from extreme heat and cold.
Heat, flames and sparks.
Keep away from direct sunlight.

Incompatible materials to avoid : Sodium
Phosphorus
Strong oxidizing agents
Bases
Acids

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO₂)
Hydrogen fluoride

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Note: no data available

Acute inhalation toxicity : Note: no data available

Acute dermal toxicity : Note: no data available

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

Skin irritation : Note: no data available

Eye irritation : Note: no data available

Sensitisation : Note: no data available

Genotoxicity in vitro : Note: no data available

12. Ecological information**Toxicity**

Toxicity to fish : Note: no data available

Toxicity to daphnia and other aquatic invertebrates : Note: no data available

Toxicity to algae : Note: no data available

Toxicity to bacteria : Note: no data available

13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations.

14. TRANSPORT INFORMATION**ADR**

Not dangerous goods

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

ADG_ROAD

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

15. REGULATORY INFORMATION

Further information : Not classified as dangerous goods according to the ADG Code.
Not classified as hazardous according to criteria of NOHSC.

National regulatory information

Standard for the Uniform : No poison schedule number allocated
Scheduling of Medicines and
Poisons

Other international regulations**Notification status**

US. Toxic Substances : On TSCA Inventory
Control Act

Australia. Industrial Chemical : On the inventory, or in compliance with the inventory
(Notification and
Assessment) Act

Canada. Canadian : All components of this product are on the Canadian DSL
Environmental Protection Act
(CEPA). Domestic
Substances List (DSL)

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals : On the inventory, or in compliance with the inventory
Inventory (KECI)

0.1% Trifluoroacetic Acid in Water**LC485-2.5**

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	: On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances	: On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	: On the inventory, or in compliance with the inventory

16. OTHER INFORMATION**Sources of key data used to compile the Safety Data Sheet:**

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
4. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]
5. Australian Dangerous Goods Code, No. 6 [National Road Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]
7. National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Final determination of suitability of any material is the sole responsibility of the user.

This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Prepared by:
Honeywell Performance Materials and Technologies Product Stewardship Group

0.1% Trifluoroacetic Acid in Water
LC485-2.5

Version 2.1 1

Revision Date 07/10/2017

Print Date 06/29/2018

End of Safety Data Sheet