

SAFETY DATA SHEET

Monocarboxylic Acid

According Regulation (EC) NO 2020/878

Version: 2.1

Creation Date: 03/02/2022,

Revision Date: 15/01/2026

1. Identification of the substance and the company/ undertaking:

1.1. Identification of the substance or preparation:

Commercial name: **Monocarboxylic Acid**

1.2. Use of the substance/ preparation:

Use for textile industry.

1.3. Company/ undertaking identification:

Name: RO CHEM RESOURCES SDN BHD.

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Telephone: +60 3 5167 6403,

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1.4. Emergency telephone number:

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Telephone: +60 3 5167 6403

2. Hazards identification:

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [EU-2020/878]:

Hazard classes/categories	Hazard Statements
Flam. Liq. 3	H226: Flammable liquid and vapor.
Acute Tox. 4	H302: Harmful if swallowed.
Skin Corr. 1A	H314: Causes severe skin burns and eye damage.
Acute Tox. 3	H331: Toxic if inhaled.

2.2. Label elements:

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s):

Physical hazards	H226: Flammable liquid and vapor.
Health hazards	H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H331: Toxic if inhaled.
Environmental hazards	Not applicable.

Precautionary Statement(s):

Prevention	P234: Keep only in original container. P260: Do not breathe dust/fume/gas/mist/vapors/spray. P264: Wash ... thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position. P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do- continue rinsing. P363: Wash contaminated clothing before reuse. P390: Absorb spillage to prevent material damage.
Storage	P405: Store locked up.
Disposal	P501: Dispose of contents/container to ...

2.3. Other hazards:

No data available.

3. Composition/ information on ingredients:**3.1. Substances:**

Commercial name: Monocarboxylic Acid

Chemical name: Monocarboxylic Acid

CAS No.: 64-18-6

3.2. Mixtures:

Ingredients	%	CAS No.	EC No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Monocarboxylic acid	<85	64-18-6	200-579-1	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Corr. 1A, H314 Acute Tox. 3, H331

Water	>15	7732-18-5	231-791-2.	-
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4. First aid measures:

4.1. General instructions:

Remove the soiled clothing immediately and wash with soap and water.

4.2. In case of skin contact:

Rinse with plenty of water.

4.2. In case of eye contact:

Rinse with plenty of water for 15 minutes with eyelids open. Seek medical advice.

4.3. In case of ingestion:

Rinse mouth and drink water. Seek medical advice immediately.

5. Fire- fighting measures:

5.1. Suitable extinguishing media:

Water spray, foam, dry powder, CO2.

5.2. Extinguishing media which shall not be used for safety reasons:

None known

5.3. Fire can give off:

Include but not limited to oxides of carbon & phosphorus.

5.4. Special protective equipment for fire- fighters:

Use appropriate protective clothing and respiratory apparatus.

6. Accidental release measures:

6.1. Personal protections:

Avoid skin and eye contact.

6.2. Environmental precautions:

Avoid the product reaching water courses. Do not pour into gutter without previous treatment (biological sewerage plant) clean up with an inert absorbent material and dispose of in an appropriate recipient for its elimination according to local legislation. Clean reminders with plenty of water and tear in a purifying plant.

7. Handling and Storage:

7.1. Handling:

Avoid skin and eye contact. Avoid inhalation.

7.2. Instructions to avoid fire and explosion:

No special measures are needed.

7.3. Storage:

Store in a dry place with the drums well closed. Protect from temperatures of more than 40⁰ C.

8. Exposure controls/ personal protection:

8.1. Exposure limits values:

None known

8.2. General protection and hygienic precautions:

Observe the normal precautions when handling chemicals.

8.3. Air passage protection:

Use respiratory protection when working with the product for a long time in badly ventilated places.

8.4. Hand protection:

Use protective gloves.

8.5. Eye protection:

Use protective eye goggles.

8.6. Personal protection equipment:

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).
Hand protection	Wear protective gloves such as butyl rubber), passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

9. Physical and chemical properties:

9.1. Appearance:

- Physical state:** Liquid
- Color:** Colorless
- Odor:** Slight odor
- Melting/freezing point (°C):** No data available
- Boiling point or Initial boiling point and boiling range (°C):** >30 °C
- Flammability (solid, gas):** No data available
- Lower and upper explosion limit:** No data available
- Flash point (Closed cup, °C):** 45 °C

- i. **Auto ignition temperature (°C):** 520 °C / 968 °F
- j. **Decomposition temperature (°C):** No data available
- k. **p^H:** ± 2 (1% solⁿ.)
- l. **Kinematic viscosity:** No data available
- m. **Solubility in water:** Soluble in all proportions
- n. **Partition coefficient (n-octanol/water):** No data available
- o. **Vapor pressure:** No data available
- p. **Density and/or Relative density (Water=1):** 1.1-1.2
- q. **Relative vapor density (Air=1):** 1.4-1.6
- r. **Particle characteristics:** No data available

9.2. Other information:

No data available.

10. Stability and reactivity:

10.1. Conditions to avoid:

If the product is used as, it should be.

10.2. Materials to avoid:

Avoid strong oxidizing agents.

10.3. Reactions and hazardous decomposition products:

None in normal process conditions.

11. Toxicological information:

11.1. Information on hazard classes:

a. Acute toxicity:

Product	LD50: Oral	LD50(dermal)	LC50(inhalation,4h)
Monocarboxylic Acid	>2000 mg/kg	No information available	No information available

b. Skin corrosion/irritation:

Causes severe skin burns and eye damage.

c. Eye damage/irritation:

Causes serious eye damage.

d. Respiratory or skin sensitisation:

No data available.

e. Germ cell mutagenicity:

No data available.

f. Carcinogenicity:

No data available

g. Reproductive toxicity:

No data available

h. STOT-single exposure:

No data available

i. STOT-repeated exposure:

No data available.

j. Aspiration hazard:

No data available.

11.2. Information on other hazards:

No data available.

12. Ecological information:

12.1. Acute aquatic toxicity:

LC₅₀: >10 mg/L (96h)

12.2. Persistence and degradability:

Information related to the product itself:

Biodegradability: >70 %, readily biodegradable.

Method: OECD

Test Guideline 301B (28 d).

12.3. Bioaccumulative potential:

No data available.

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

No data available.

12.6. Endocrine disrupting properties:

No data available.

12.7. Other adverse effects:

No data available.

13. Disposal considerations:

13.1. Product:

It should be treated in an authorized Physical- chemical, Bacteriological or Thermal destruction sewerage

plant, according to local legislation.

13.2. Contaminated recipients:

Non- washable recipients should be disposed of like the product. The rest can be reused.

14. Transport information:

14.1. UN number: UN3412

14.2. UN proper shipping name: Corrosive solid, acidic, organic, n.o.s

14.3. Transport hazard class(es): 8 (Class) +3 (Subsidiary risks)

14.4. Packing Group: II

14.5. Environmental hazards: Not applicable.

14.6. Special precautions for user: Handle and load/unload in well-ventilated areas. Avoid generating dust or aerosols.

14.7. Bulk maritime transport according to IMO means: Not applicable.

15. Regulatory information:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

This safety data sheet complies with the requirements of Regulation (EC) No. 2020/878.

15.2. Chemical safety assessment:

No data available.

16. Other information:

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, nothing herein is to be construed as a warranty, express or otherwise.

In all cases, it is the responsibility of the user to determine the applicability of such information and recommendations and the suitability of any product for its own particular purpose.

The product may present hazards and should be used with caution. While certain hazards are described in this publication, no guarantee is made that these are the only hazards that exist.

Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes.

Abbreviations and acronyms:

CAS –Chemical Abstracts Service

CMR - Carcinogens, mutagens or substances toxic to reproduction

PC-STEL- Short term exposure limit

PC-TWA - Time Weighted Average

DNEL - Derived No Effect Level

RPE - Respiratory Protective Equipment

LC₅₀ - Lethal Concentration 50%

NOEC -No Observed Effect Concentration

PBT - Persistent, Bio-accumulative, Toxic

BCF – Bio-concentration factor (BCF)

IMDG-International Maritime Dangerous Goods

UN-The United Nations

NFPA-National Fire Protection Association

IARC - International Agency for Research on Cancer

PNEC –Predicted No Effect Concentration

LD₅₀ - Lethal Dose 50%

EC₅₀ - Effective Concentration 50%

POW - Partition coefficient Octanol: Water

vPvB - very Persistent, very Bio-accumulative

ICAO/IATA-International Civil Aviation
Organization/International Air Transportation
Association

ACGIH-American Conference of Governmental
Industrial Hygienists

OECD-Organization for Economic Co-operation and
Development.