



Trade name: Robacta TC Cool MD

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

Product details:

Part number:

42,0411,8048
42,0411,8049
42,0411,8050
42,0411,8051

Use of the substance/preparation:

Anti-spatter and torch coolant

Manufacturer/Supplier:

Fronius International GmbH
Fronius Straße 5
A-4642 Sattledt
Phone.: +43 / (0)7242 / 241-0
Fax: +43 / (0)7242 / 241-8799

Office to contact for information:

TSI (TechSupport International)
Phone.: +43 / (0)7242 / 241-3440
Fax: +43 / (0)7242 / 241-3930
e-mail: welding.techsupport@fronius.com
www.fronius.com

Emergency hotline:

Austrian Anti-Poison Center +43 / (0)1 / 4064343

2. Composition/Information on the ingredients

Chemical characterization:

Description:

Mixture of polymeric glycol and other non-hazardous ingredients

Dangerous constituents:

< 20% / Polyethylene glycol / CAS: 25322-68-3

Additional information:

3. Possible hazards

Hazards identification

non-hazardous

Information concerning particular hazards for human and environment:

none

Classification system:

The classification is in accordance with the current EC lists. Further it is supplemented with information from technical literature and company information.

4. First-aid measures

After inhalation:

Move affected person to fresh air. Assist breathing if necessary. Seek medical attention if unconscious or if any other symptoms develop or persist.

After skin contact:

Wash with soap and water. If irritations persists, get medical information.

After eye contact:

Flush immediately with water for at least 15 minutes. Do not rub eyes. If irritation persists, get medical attention.

After swallowing:

Get medical attention or advice. Never induce vomiting.

5. Fire-fighting measures**Suitable extinguishing agents:**

Use methods suitable for surrounding fire.

Special exposure hazards arising from the substance or preparation itself, combustion products or resulting gases:

Once heated to dryness, preparation residue will evolve carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons upon combustion or thermal decomposition.

Special protective equipment for fire-fighters:

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Further information:

This preparation will not burn.

6. Accidental release measures**Containment procedures**

Contain the discharged preparation. Block any potential routes to water systems.

Clean-up procedures

Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage system or open water courses.

Evacuation procedures

Not required.

Special Procedures

Store in a cool, dry area away from moisture and excessive heat.

7. Handling and storage**Handling:****Information for safe handling:**

Follow good industrial hygiene practices when handling this preparation.

Information about protection against explosions and fires:

Produkt is not flammable.

Storage

Conditions required for storage rooms and vessels:

Only store in original container.

Incompatible materials: none

Further information on storage conditions:

store at temperature > 0°C

Storage class: -

8. Exposure controls and personal protection**Additional information about the design of technical systems:**

-

Components with limit values that require monitoring at the workplace:

Polyethylene glycol (CAS: 25322-86-3)

1000mg/m³ TWA (inhalable fraktion)

1000mg/m³ MAK (inhalable fraktion, average molecular weight 200-400)

8000mg/m³ Peak (inhalable fraktion, average molecular weight 200-600)

Additional information:

Ventilation should be sufficient to effectively remove and prevent buildup of vapour/mist/fume/dust that may be generated during handling of thermal processing.

Personal protective equipment:**General safety and hygiene measures:**

Follow good industrial hygiene practices when handling this preparation.

Breathing equipment:

Not ordinarily required. If ventilation is not sufficient a EN149 approved respiratory protection must be provided.

Protection of hands: not ordinarily required

Glove material: -

Permeation time of the glove material:

Eye protection: not ordinarily required

Body protection: normal work clothing is recommended

9. Physical and chemical properties**General information:**

- Form: liquid
- Colour: blue
- Odor: odorless

Change of physical state:

Flashpoint: na

Explosion hazard: na

Density at 20°C appr. 1,0

Solubility in / miscibility with water: infinitely soluble

PH value at 20°C: 8,2

10. Stability and reactivity

The preparation is stable.

Thermal decomposition / conditions to avoid:

None identified.

Hazardous reactions:

None identified.

Dangerous products of decomposition

None identified.

11. Toxicological information

This preparation is considered to be essentially inert and exhibits minimal acute toxicity.

Acute toxicity:

Polyethylene glykol (CAS: 25322-68-3)

Oral LD50 Rat: 28gm/kg

Oral LD50 Mous: 34gm/kg

Dermal LD50 Rabbit: >20gm/kg

Primary irritation effects: -

Additional toxicological information: -

12. Ecological information

Ecotoxicity: -

Aquatic toxicity:

This preparation is not expected to be harmful to aquatic life.

General information:

This preparation is expected to be readily biodegradable.

13. Disposal considerations

Product:

Recommendation:

Prior to disposal, consult an approved waste disposal operative to ensure regulatory compliance.

Waste code number: -

Disposal considerations: -

Uncleaned packagings: Recommendation: Dispose of according to official regulations

14. Transport information

Land transport ADR/RID and GGVS/GGVE (border-crossing/national):

No hazardous transport freight

Sea transport IMDG/GGVSea:

No hazardous transport freight

Air transport ICAO-TI and IATA-DGR:

No hazardous transport freight

15. Austrian and EU regulations

Labelling acc. to EEC directives:

The product does not require a hazardous warning label in accordance with EC directives and the relevant national laws.

Identification letter and hazard designation of product:

-

Hazard-determining components of labelling:

-

Risk phrases -

Safety phrases -

National regulations: -

Classification according to VbF: -

Water hazard class: 1 (self-classification)

16. Other information

The information given in this material safety data sheet are valid for the mentioned product only. It may no longer apply if the product is processed or mixed with other substances. This information is based on our present knowledge and is intended to describe the product with a view to the safety precautions to take.

Relevant risk phrases