



Trade name: Torch cooling liquid INDOOR

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

Product details:

Part number:

40,0009,0084

Use of the substance/preparation:

Coolant for Fronius welding systems

Manufacturer/Supplier:

Fronius International GmbH
Günter Fronius Straße 1
A-4600 Wels-Thalheim
Phone.: +43 / (0)7242 / 241-0
Fax: +43 / (0)7242 / 241-3940

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:

Ethanol in aqueous solution

Dangerous constituents:

app. 2% / Ethanol / F; R11 / CAS: 64-17-5, EINICS: 200-578-6
app. 0,015%/Butanon (methyl ethyl ketone)/F, Xn; R11, R36/37 / CAS: 78-93-3, EINECS: 201-159-0

Additional information:

For the wording of the mentioned hazard notes see section 16.

3. Possible hazards

Hazards identification

non-hazardous

Information concerning particular hazards for human and environment:

In virtue of the calculation method set out in the "EC General Assessment Directive for Preparations" currently in force, this product is not subject to labelling.

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:

No inhalation can occur during activities that are in keeping with the intended use

After skin contact:

Drench with water

After eye contact:

Drench with water

After swallowing:

Drink plenty of water, seek medical advice in the case of sickness

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

No special extinguishing agent required. Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents:

None

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

None

Special protective equipment for fire-fighters:

No special measures required

6. Accidental release measures**Person-related safety precautions**

Avoid skin and eye contact

Measures for environmental protection:

Do not allow undiluted material to enter drains, sewers or watercourses

Measures for cleaning/collecting:

Clean with water and commercial detergent

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

Avoid contact with eyes or skin. Ensure good ventilation at the workplace.

Storage**Conditions required for storage rooms and vessels:**

Keep container tightly sealed. Store at room temperature.

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

-

Components with limit values that require monitoring at the workplace:Ethanol: TLV 1000 ml/m³ (average per day)1-butanone: TLV 100 ml/m³ (average per day)

Additional information:**Personal protective equipment:****Breathing equipment:**

- Use RPE in case aerosols or vapours evolve or exposure limits are exceeded.

Protection of hands:

- Not required

Eye protection:

- Wear safety goggles

Body protection:

- Not required

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

- Appearance: liquid, colourless
- Odour: alcohol-like

Change of physical state:

Flashpoint: >93°C / >200°F

Explosion hazard: 1.8 – 15 percent by volume (pure ethanol)

Density at 20°C approx. 0,96

Solubility in / miscibility with water: fully miscible

PH value at 20°C: not applicable

10. Stability and reactivity**Thermal decomposition / conditions to avoid:**

none

Hazardous reactions:

none

Dangerous products of decomposition

none

11. Toxicological information**Acute toxicity:****Primary irritation effects:**

Not known

Additional toxicological information:

1-butanone LD₅₀ (oral, rat) 2737 mg/kg
Pure ethanol LD₅₀ (oral, rat) 7,060 mg/kg
LC₅₀ (inhalative, mouse) 39 mg/l

12. Ecological information

Ecotoxicity
Fish LC₅₀ (48h): 32000mg/l (calculated)
Pseudomonas putida L₀EC (16h): 24000 mg/l (calculated)
Daphnia EC₅₀ (9d): 56 – 104 mg/l

General information:

No adverse effects arising from proper use

13. Disposal considerations**Product:****Recommendation:**

The disposal of the preparation (surplus or waste resulting from the foreseeable use) present no danger.

Uncleaned packagings:

Any contaminated empty packaging shall be recycled or disposed of according to the national or regional provisions.

14. Transport information**Land transport ADR/RID and GGVS/GGVE (border-crossing/national):**

no dangerous good

Sea transport IMDG/GGVSea:

no dangerous good

Air transport ICAO-TI and IATA-DGR:

no dangerous good

15. Austrian and EU regulations**Labelling acc. to EEC directives:**

not required

Identification letter and hazard designation of product: void

Hazard-determining components of labelling: void

Risk phrases void

Safety phrases void

Water hazard class: WGK: 1

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

R11 highly flammable
R36/37 irritating to eyes and skin