

# SAFETY DATA SHEET

Issued: 2024-02-28

Version: 1.0

Revised:

## Section 1. Name of the substance/mixture and the company/undertaking

### 1.1 Product designation

Trade name:

**Concrete Splatter Remover Blast-Off RTU**

UFI:

KK13-0A2D-440Q-F2Y2

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Area of use:** Removal of concrete from surfaces and tools, ready-mixed solution

### 1.3. More information about the supplier of safety data sheets

**Address:**

Hydratec Scandinavia AB  
Hallsbergsterminalen 11 694 35 HALLSBERG  
Telephone: 010-585  
21 00.  
Email: info@hydratec.se

### 1.4. Telephone number for emergencies

112 – request poison information

## Section 2. Hazardous Properties

### 2.1. Classification of the substance or mixture

**Classification:** Skin Corr. 1B; H314, Eye Dam. 1; H318

#### HEALTH

Inhalation of mist can cause burning, coughing and breathing problems. Risk of lung damage at high concentrations. May cause caustic damage to the skin with blisters and sores. Splashes in the eyes cause pain and caustic ulcers. Risk of permanent visual impairment. Serious caustic damage if swallowed, with burning pain, vomiting, diarrhea and possibly severe general impact.

#### ENVIRONMENT

The product contains no environmentally hazardous substances.

#### FIRE

The product is not flammable.

### 2.2. Labeling information

**Hazard pictograms:****Signal words:****Danger****Hazard statements:** H314

Causes serious corrosive damage to skin and eyes.

**Precautionary statements:** P260, P280, P301+P330+P331, P303+P361+P353, P305+P351+P338, P310, P501

# SAFETY DATA SHEET

Issued: 2024-02-28

Version: 1.0

Revised:

Do not inhale dust/fumes/gases/mist/vapours/spray.

Use protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately contact a POISON CENTER or doctor. DO NOT induce vomiting.

IN CASE OF SKIN CONTACT (including hair): Immediately remove all splashed clothing. Rinse skin with water/shower.

IF IN EYES: Rinse carefully with water for several minutes. Remove any contact lenses if possible. Continue rinsing.

Contact the POISON CENTER or doctor immediately

Dispose of the contents/container to a waste facility in accordance with local and national regulations.

**Contains:** Carboxylic acid

## 2.3. Other hazards

The mixture contains no substances that meet the criteria for PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative) in accordance with Annex XIII (Reach).

The mixture contains no substances with hormone-disrupting properties in a concentration exceeding 0.1% by weight.

## Section 3. Composition/Information on Ingredients

### 3.2. Mixtures

#### Classification of substances according to CLP, 1272/2008/EC

Hazardous substances	Content, %	CAS no	EC no	REACH registration number	Hazard class/category	Hazard statements
Carboxylic acid	5-<10	-	-	*	Skin Corr. 1B Eye Dam. 1 Acute Tox. 4	H314 H318 H332
Other subjects				*		
(2-Methoxymethyl-ethoxy)-propanolHGV	1-3	34590-94-8	252-104-2		NC	NC
Impurity in carboxylic acid				*		
Methoxyacetic acid	>0.01-<0.02	625-45-6	210-894-6		Acute Tox. 4 Skin Corr. 1B Rep. 1B	H302 H314 H360FD

\* All listed substances are registered according to REACH, 1907/2006/EC

Hazard statements in plain text: H302 = Harmful if swallowed, H314 = Causes serious skin and eye irritation, H318 = Causes serious eye damage, H332 = Harmful if inhaled, H360FD = May damage fertility or the unborn child, NC = not classified (not classified) .

Note HGV (The substance has a hygienic limit value, AFS 2018:1)

## Section 4. First Aid Measures

### 4.1. Description of first aid measures

#### Inhalation

If mist inhaled - Fresh air, warmth and rest, preferably in a comfortable semi-sitting position. Ev. breathing aid.  
Contact a doctor.

#### Skin contact

Rinse immediately with plenty of water, if necessary also inside the clothes. Remove splashed clothing. Corrosion must be treated by a doctor.

# SAFETY DATA SHEET

Issued: 2024-02-28

Version: 1.0

Revised:

---

**Splash in the eyes**

Important! Rinse immediately with lukewarm water for at least 15 minutes (keep eyelids wide apart, remove any contact lenses). Immediately to the hospital, ophthalmologist.

**Ingestion**

Immediately give a couple of glasses of milk or water if the victim is fully conscious. Do **not** induce vomiting! Immediately to hospital.

**4.2. The most important symptoms and effects, both acute and delayed****Inhalation**

Inhalation of **mist** can cause irritation with burning, coughing and breathing problems.

**Skin contact**

Skin contact can cause caustic damage with burning, redness, blisters and sores.

**Splashing in the**

**eyes** Splashing in the eyes causes pain and caustic wounds. Risk of permanent visual impairment, blindness.

**Ingestion**

Serious caustic damage if swallowed, with burning pain, vomiting, diarrhea and possibly severe general effects (shock).

**4.3 Indication of immediate medical treatment and special treatment that may be required**

As a general rule, if there is doubt or the problem persists, you should always contact a doctor. Never give an unconscious person anything to eat or drink.

---

**Section 5. Fire Fighting Measures**

---

**5.1. Extinguishing media**

The product is not flammable. Ambient fire can be extinguished with powder, carbon dioxide or foam.

**5.2. Special hazards that the substance or mixture may present**

Harmful smoke consisting of carbon oxides is formed in case of fire.

**5.3. Advice for firefighting personnel**

In the event of an extensive fire, use smoke diving equipment (fire suit, compressed air apparatus) when extinguishing the fire as protection against smoke/gases.

---

**Section 6. Accidental Release Actions**

---

**6.1. Personal protective measures, protective equipment and measures in emergency situations**

Use chemical-resistant gloves and eye protection as well as full-coverage protective clothing made of rubber or rubber-impregnated fabric. See also "personal protective equipment" section 8.

**6.2. Environmental protection measures**

Prevent large quantities from being released into drains. In the event of a larger spill, contact the emergency services. In the event of a major spillage in water, notify the waterworks or sewage treatment plant. In the event of a spill that poses a risk of environmental damage, contact the responsible person in the municipality.

**6.3. Methods and materials for containment and cleanup**

Filled in with sand, earth or the like and collected. Collected material is handled according to section 13.

# SAFETY DATA SHEET

Issued: 2024-02-28

Version: 1.0

Revised:

## 6.4 Reference to other sections

See section 1 for emergency phone numbers.

See Section 8 for information on suitable personal protective equipment.

See section 13 for further information regarding waste management.

## Section 7. Handling and Storage

### 7.1. Precautions for safe handling

Containers are kept closed as far as possible. Make sure there is good air circulation in the warehouse and in the workplace. Avoid contact with eyes and skin and inhalation of spray mist due to the risk of corrosion. If direct contact, or splashes, cannot be avoided, personal protective equipment should be used, see section 8. Wash hands after use, and remove contaminated clothing and protective equipment before meals.

### 7.2. Conditions for safe storage, including any incompatibilities

Store cool, but frost-free, as well as dry and away from sources of fire.

### 7.3. Specific end use

The product is applied with a brush or by spraying (whereby a foam is formed). More applications may be needed to remove all the concrete and brushing of the treated surface. With small hand tools, the concrete can be removed by placing the tools in the concentrated solution. The product contains a pH-sensitive red color that disappears (i.e. the solution clears) when the purification process is completed.

## Section 8. Exposure Limits/Personal Protection

### 8.1. Control parameters

Reference: AFS 2018:1 (Hygienic limit values)

Chemical name	Level limit value (NGV)	Short-term limit value (KGV)	Remark
Dipropylene glycol monomethyl ether	50 ppm (300 mg/m <sup>3</sup> )	75 ppm (450 mg/m <sup>3</sup> )	Note H (The substance can be easily absorbed through the skin) Note V (Indicative short-term limit value)

### 8.2. Limitation of exposure

#### 8.2.1. Appropriate technical control measures

Avoid direct contact with the product. Emergency showers and the possibility of eyewash must be available at the workplace.

#### 8.2.2. Individual protective measures, e.g. personal protective equipment a)

##### Eye protection/face protection

Eye protection (goggles) with side protection when applying the product. See SS-EN 166.

##### b) Skin protection

Full protective clothing made of rubber or rubber-impregnated fabric and protective gloves (made of e.g. rubber) must be used when applying the product. See SS-EN 374.

##### c) Respiratory protection

Full-face mask with particle filter P2 or breathing apparatus may be required for mist-forming handling. See SS-EN 136.

# SAFETY DATA SHEET

Issued: 2024-02-28

Version: 1.0

Revised:

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	Light red
Odor	Slightly sweet
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling point range	100°C
Flammability	Not flammable
Lower and upper explosion limit	Not specified
Flash point	Not specified
Self-ignition temperature	Not specified
Decomposition temperature	Not specified
pH value	> 3.0
Kinematic viscosity	Not specified
Solubility - water	Completely soluble in water
Partition coefficient: n-octanol/water Vapor pressure	Not specified
Density and/or relative density	< 1080 mg/m <sup>3</sup>
Relative vapor density	Not specified
Particle properties	Not specified

### 9.2. Other information

Missing.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Not reactive in intended use.

### 10.2. Chemical stability

Stable in intended use.

### 10.3. The risk of dangerous reactions

No dangerous reactions expected.

### 10.4. Conditions to avoid

Avoid ignition sources.

### 10.5. Incompatible materials

Can react with strong oxidizing agents, strong acids and strong bases.

### 10.6. Hazardous decomposition products

In the event of a fire, harmful smoke is formed consisting of, among other things, of carbon oxides.

# SAFETY DATA SHEET

Issued: 2024-02-28

Version: 1.0

Revised:

## Section 11. Toxicological information

### 11.1. Information on hazard classes according to Regulation (EC) No. 1272/2008

#### Test data

##### The product

Outcome measure	Estimated acute toxicity of the product (ATE mixture)
Acute toxicity, inhalation LC50:	60 mg/L (mist/dust)

##### Carboxylic acid containing <0.3% methoxyacetic acid

Relevant hazard class	Effective dose/ Species concentration		Method	Remark
a) Acute toxicity				
Oral	LD50: 2040 mg/kg	Rat	EPA OPP 81-1	Not classified. Study according to GLP
Dermal	Not available	n/a	n/a	No dermal toxicity expected due to low potential for absorption
Inhalation	LC50: 3.6 mg/L, 4 hours	Rat	OECD 403 H332 (Harmful by inhalation)	
b) Corrosive/irritating to the skin	99% acid, 4 hours	Rabbit	OECD 404 H314 (Causes severe skin and eye corrosion)	
c) Serious eye damage/eye irritation	57% acid, 24 hours	Rabbit	OECD 405 H318 (Causes serious eye damage)	
d) Respiratory /skin sensitization	Skin contact	Guinea pig	OECD 406 The acid is not sensitizing	
e) Germ cell mutagenicity n/af)		n/a/	WoE	Negative (not mutagenic)
Carcinogenicity n/ag) Reproductive toxicity < 0.3% methoxyacetic acid		a	WoE	Negative (not carcinogenic)
		-	-	Negative (not toxic to reproduction)
h) Specific organ toxicity – single exposure	n/a			Not considered to cause damage
i) Specific organ toxicity – repeated exposure	NOAEL: >150 mg/kg body weight/day	Rat	OECD 408 Not assessed to cause damage upon repeated exposure	
j) Aspiration hazard	n/a			Not judged to pose a danger in case of aspiration

#### Comment

The amount of methoxyacetic acid in the finished product is less than 0.02%, which is why the product is not classified as toxic to reproduction.

#### Symptoms and delayed and immediate effects as well as chronic effects of short-term and long-term exposure

##### Inhalation

Inhalation of **mist** can cause irritation with burning, coughing and breathing problems.

##### Skin contact

Skin contact can cause caustic damage with burning, redness, blisters and sores.

# SAFETY DATA SHEET

Published: 2024-02-28

Version: 1.0

Revised:

## Splashing in the

**eyes** Splashing in the eyes causes pain and caustic ulcers. Risk of permanent visual impairment, blindness.

## Ingestion

Serious caustic damage if swallowed, with burning pain, vomiting, diarrhea and possibly severe general effects (shock).

## 11.2. Information on other hazards

### Endocrine disrupting properties

The mixture contains no substances with hormone-disrupting properties in a concentration exceeding 0.1% by weight.

## Section 12. Ecological Information

### 12.1. Toxicity

#### Carboxylic

acid Relevant hazard class	Species	Exposure time	Results
Effect Acute toxicity, fish LC50	<i>Pimephales promelase</i>	96h	164 mg/L
Acute toxicity, Daphnia	EC50, OECD 202 <i>Daphnia magna</i>	48h	141 mg/L
Acute toxicity, algae ErC50, OECD 201	<i>Pseudokirchneriella subcapitata</i>	72h	44 mg/L

### 12.2. Persistence and degradability

Carboxylic acid	
Aerobic/anaerobic degradation	-
Persistence and degradability	Easily biodegradable. 78% degradation after 11 days (OECD 301).

### 12.3. Bioaccumulative potential

Carboxylic acid	
BCF/log Pow	-
Bioaccumulative potential	The substance is not expected to bioaccumulate in the aquatic environment.

### 12.4. Movement in soil

Carboxylic acid	
Koc	-
Mobility in soil	Water soluble. Liquid under normal conditions.

### 12.5. Results of the PBT and vPvB assessment

The mixture contains no substances that meet the criteria for PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative) in accordance with Annex XIII (Reach).

### 12.6. Endocrine disrupting properties

The mixture contains no substances with hormone-disrupting properties in a concentration exceeding 0.1% by weight.

# SAFETY DATA SHEET

Issued: 2024-02-28

Version: 1.0

Revised:

## 12.7. Other harmful effects

Not expected to have an ozone-depleting potential, photochemical ozone-forming potential, or global warming potential.

### Overall rating:

The product is not classified as environmentally hazardous.

## Section 13. Waste Management

### 13.1. Waste treatment methods

#### Unused and used product

**Waste code: 20 01 14** (explanation: Separately collected fractions: Acids).

Constitutes hazardous waste (SFS 2020:614, Waste Ordinance). If spillage or waste cannot be recycled in-house (note! permit requirements) contact a contractor approved by the municipality or the county board.

Please note that classification of waste is the responsibility of the user.

#### Emptying instructions for packaging

Completely emptied packaging can be returned to packaging recycling.

- Turn the emptied packaging upside down for drainage.
- Collect the residual contents for use and disposal.
- Wait until the packaging is dripping dry.
- Sort the inner packaging as SOFT PLASTIC PACKAGING and the outer packaging as

CARDBOARD / CORRUGATED CARDBOARD

#### Handling of packaging Well-

emptied (drip-free) packaging is not hazardous waste.

Hydratec Scandinavia AB is connected to FTI, the company responsible for collecting etc. of used packaging. For questions about local collection - call FTI, phone: 0200-88 03 10.

## Section 14. Shipping Information

**14.1. UN number:** UN1760

**14.2. Official shipping name:** Corrosive liquid, nos (carboxylic acid)

**14.3. Danger class for transport:** 8

**14.4. Packaging group:** III

**14.5. Environmental hazards:** the product is not hazardous to the environment

**14.6. Special protective measures:** Sea (EMS): FA, SB 14.7.

**Bulk transport by sea according to IMO instruments:** Not applicable

## Section 15. Applicable Regulations

### 15.1. Safety, health and environmental regulations/legislation on the substance or mixture

National regulations:

AFS 2018:1, Hygienic limit values SFS

2020:614, Waste regulation

EU regulations

Regulation (EU) No. 1907/2006, REACH Article 59(1), Candidate List:

Chemical name	Reason for introduction	Date of introduction



# SAFETY DATA SHEET

Issued: 2024-02-28

Version: 1.0

Revised:

Methoxyacetic acid CAS number 625-45-6 EC number 210-894-6	Toxic for reproduction (Article 57c)	19-December-2012
--	--------------------------------------	------------------

Regulation (EU) No. 1907/2006, REACH Annex XIV (the authorization list):

The mixture does not contain any substances listed in Annex XIV.

Regulation (EU) No. 1907/2006, REACH Annex XVII (restriction list):

Chemical name	Limitation (column 1)	Remark (column 2)
Methoxyacetic acid CAS number 625-45-6 EC number 210-894-6	30	May not be sold to the public in concentrations >0.3%

## 15.2. Chemical safety assessment

The supplier has not carried out a chemical safety assessment of the mixture.

---

## 16. Other information

---

### Reference to important literature and data sources

Safety Data Sheet, Concrete splatter remover RTU. 12-21-2023.

--- End of document ---

