

Solute Machine Interior Cleaner

Additional Markings : None.

The above mentioned labelling is valid for distribution to industrial user/ private consumer.

2.3 Other hazards

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

SECTION 3: Composition/information on ingredients

3.1 Substances

Dangerous Ingredients :

3.2 Mixtures

Chemical Characterisation :

Preparation

Dangerous Ingredients :

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R / H - phrases
68154-97-2	n.av.	n.av.	Alcohols, C10-12, ethoxylated propoxylated	1 - 10%	Xi GHS05	R 38-41 H315 H318
94441-92-6	n.av.	305-318-6	Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-b-alaninate	1 - 5%	Xi GHS05	R 38-41 H315 H318
1310-58-3	019-002-00-8	215-181-3	Potassium hydroxide	0,5 - 2%	C GHS05 GHS07	R 22-35 H302 H314

SECTION 4: First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation :

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.

4.1.2 Skin Contact :

Rinse with water. If skin irritation persists, call a physician.

4.1.3 Eye Contact :

Call a physician immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

4.1.4 Ingestion :

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Call a physician immediately. Show this safety data sheet to the doctor in attendance.

4.2 Most important symptoms and effects, both acute and delayed

If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable Extinguishing Media :

Use dry chemical, CO₂, water spray or "alcohol" foam.

5.1.2 Extinguishing Media to Avoid :

None.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon oxides, nitrogen oxides (NO_x)

5.3 Advice for firefighters

5.3.1 Special Protective Equipment :

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information :

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
See chapter 8.2.2
Contaminated surfaces will be extremely slippery.
- 6.2 **Environmental precautions**
Do not contaminate water. Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
Soak up with inert absorbent material (e.g. sand, universal binder, sawdust).
Shovel into suitable container for disposal.
- 6.4 **Reference to other sections**
None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling :**
Avoid contact with skin and eyes. Take off all contaminated clothing immediately.
When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.
When diluting, always add the product to water. Never add water to the product.
- 7.1.2 **Precautions in Case of Fire and Explosion :**
Normal measures for preventive fire protection.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions :**
Keep container tightly closed in a dry and well-ventilated place.
Keep in an area equipped with alkali resistant flooring. Do not use containers made of light metals.
- 7.2.2 **Store away from :**
Do not store near acids, strong oxidizing agents.
- 7.2.3 **Further Information on Storage Conditions :**
None.
- 7.3 **Specific end use(s)**
n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**

Material	Limit Value
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 - 8.2 **Exposure controls**
 - 8.2.1 **Appropriate engineering controls**
Provide appropriate exhaust ventilation at machinery.
 - 8.2.2 **Individual protection measures**
 - 8.2.2a **Respiratory Protection :** Not required under normal use
 - 8.2.2b **Hand Protection :** Protective gloves complying with EN 374 (butyl-rubber, break through time > 8h)
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
 - 8.2.2c **Eye Protection :** Tightly fitting safety goggles
 - 8.2.2d **Skin Protection :** Protective suit
 - 8.2.3 **Environmental exposure controls :**
n.av.

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form : liquid	Colour : clear	Odour : characteristic
9.1.2	pH-value, undiluted :	10,8 – 11,3, pH-value, 1% aqueous solution : n.av.	
9.1.3	Boiling point / Boiling - range (°C) :	n.av., Melting point / Melting range (°C) : n.av.	
9.1.4	Flash point (°C, c.c.) :	n.ap.,	
9.1.5	Flammability (EEC A10/A13) :	No.	
9.1.6	Ignition temperature (°C) :	n.av.	
9.1.7	Autoflammability (EEC A16) :	No.	
9.1.8	Oxidising properties :	No.	
9.1.9	Explosion hazard :	n.ap.	
9.1.10	Explosion limits (Vol.%) lower :	n.ap., upper : n.av.	
9.1.11	Vapour pressure :	n.av.	
9.1.12	Density (g/ml) :	~ 1	
9.1.13	Solubility (in Water) :	completely miscible	
9.1.14	Partition coefficient, n-Octanol/Water :	n.av.	
9.1.15	Viscosity :	n.av.	
9.1.16	Solvent content (m %) :	n.ap.	
9.2	Other information		
9.2.1	Thermal decomposition (°C) :	n.av.	
9.2.2	Vapour density (Air = 1) :	n.av.	

SECTION 10: Stability and reactivity

10.1	Reactivity None.
10.2	Chemical stability Stable under normal conditions.
10.3	Possibility of hazardous reactions Gives off hydrogen by reaction with metals.
10.4	Conditions to avoid No conditions to be specially mentioned.
10.5	Incompatible materials Incompatible with strong acids and oxidizing agents.
10.6	Hazardous decomposition products No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

11.1.1	Acute Health Effects :		
	Inhalation, LC50 rat, (mg/l/4h) :	n.av.	
	Ingestion, LD50 rat, (mg/kg) :	n.av.	
	Skin - contact, LD50 rat, (mg/kg) :	n.av.	
	Irritation (to skin / eye) :	Irritating to skin. Risk of serious damage to eyes.	
	Sensitisation :	n.av.	
11.1.2	Subacute / Chronic Toxicity :		
	Carcinogenicity :	n.av.	
	Mutagenicity :	n.av.	
	Teratogenicity :	n.av.	
	Narcotic Effects :	None.	
11.1.3	Practical Experience		
11.1.3.1	Observations relevant for classification :		
	None.		
11.1.3.2	Further Observations :		
	None.		
11.1.4	General Remarks :		
	Classification of the preparation has been done by calculation in accordance with EEC directives.		

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SECTION 15: Regulatory information

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

No data available.

15.2 **Chemical safety assessment** : None.

SECTION 16: Other information

Text of R / H phrases mentioned in Section 3

R 22: Harmful if swallowed.

R 35: Causes severe burns.

R 38: Irritating to skin.

R 41: Risk of serious damage to eyes.

H 302: Harmful if swallowed.

H 314: Causes severe skin burns and eye damage.

H 315: Causes skin irritation.

H 318: Causes serious eye damage.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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