

Safety data sheet according
to Regulation (EC) No. 1907/2006 (REACH)

Trade name : TORO-clean ASA / TORO-clean ASA-M
Revised on : January 1, 2023
Print date: January 5, 2023
Version (revision): 1.0.3 (1.0.1)

SECTION 1: Identification of the substance/mixture and of the company

- 1.1 Product identifier
TORO-clean ASA / TORO-clean ASA-M
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Relevant identified uses
polymer preparation with cleaning agents
- Note For use
in industrial plants only (cylinder cleaners).
- 1.3 Details of the supplier of the safety data sheet
- Contact for information: GfK T. Jakob and R. Krämer
GbR Telephone: +49 (0) 9192-993290 Email:
info@gfk-deutschland.de 1.4 Emergency
number

GfK T. Jakob and R. Krämer GbR +49 (0)
9192-993290 (Mon. - Fri.
08:00 - 16:30)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]
No
- 2.2 Label elements None
- 2.3 Other hazards This substance/
mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Dangerous ingredients				
Chemical Name	weight %	CAS-No.	EINECS	Reach No.
acrylonitrile acrylate	50 – 100%	262999-47-8		
aluminum oxide	0 – 50%	1344-28-1	215-691-6	01-2119529248-35-0024

SECTION 4: First aid measures

4.1 Description of first aid measures General information

In case of accident or if you feel unwell, seek medical advice immediately (show the operating instructions or safety data sheet if possible). In all cases of doubt or if symptoms are present, seek medical advice.

After inhalation
Provide fresh air. If irritation of the respiratory tract occurs, seek medical advice.

In case of skin contact
After contact with the melted product, cool the affected skin area quickly with water. Solidified product

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Do not peel off skin. Medical attention required.

After eye contact In

case of contact with eyes, rinse immediately with running water for 10 to 15 minutes holding the eyelids open and consult an ophthalmologist. Protect the uninjured eye.

After ingestion

If swallowed, rinse mouth with plenty of water (only if person is conscious) and get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information is available.

4.3 Indication of any immediate medical attention or special treatment needed

No

SECTION 5: Firefighting measures

5.1 Extinguishing agents

Suitable extinguishing media

alcohol-resistant foam excess water carbon dioxide (CO₂)

Unsuitable extinguishing agents

full water jet

5.2 Special hazards arising from the substance or mixture In case of fire may be

liberated: Carbon monoxide Carbon dioxide (CO₂)

Dangerous combustion products

Hydrogen cyanide (hydrocyanic acid) Nitrogen oxides (NO_x)

5.3 Advice for firefighters In case of fire: Wear self-

contained breathing apparatus. Coordinate fire-fighting measures to the surrounding area.

Do not inhale explosion or fire gases. Use water spray to protect people and to cool containers in the danger area. Collect contaminated fire extinguishing water separately. Do not allow to enter drains or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment. Particular risk of slipping due to leaking/spilled product.

6.2 Environmental protection measures

Do not allow to enter drains or waterways. Cover drains. Do not allow to enter the subsoil/soil.

6.3 Methods and materials for containment and cleaning

Collect mechanically. Treat the collected material according to the disposal section.

6.4 Reference to other sections

No

SECTION 7: Handling and storage

7.1 Precautions for safe handling

All work processes must be designed to minimize the following: Inhalation of dust/particles If handling is open, use devices with local exhaust ventilation. It is recommended that all work processes be designed to exclude the following: Eye contact Only use the material in areas where naked light, fire and other sources of ignition are kept away. Wear personal protective equipment (see section 8).

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protective measures

fire protection measures

Provide earthing of containers, equipment, pumps and suction equipment. Take measures against electrostatic charges.

Measures to prevent aerosol and dust formation Ensure adequate ventilation and local extraction at critical points.

Environmental precautions See section 8.

Notes on general industrial hygiene

Do not eat, drink, smoke or sniff at work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Keep/store only in the original container. Ensure adequate ventilation of the storage room.

Advice on storage compatibility

Storage class : 11

Storage class (TRGS 510) : 11

Further information on storage conditions Keep container tightly closed and store in a cool, well-ventilated place.

Protect against: Moisture, UV radiation/sunlight

7.3 Specific end use(s) None

SECTION 8: Exposure controls/Personal

protective equipment

8.1 Parameters to be monitored

Contains no substances in quantities above the concentration limits for which a workplace exposure limit has been established.

occupational exposure limits

Information on the workplace limit value according to the RCP method according to TRGS 900 (D)

Limit type (country of origin):	Calculated RCP occupational exposure limit (D) not relevant
limit:	

8.2 Exposure controls Personal protective equipment Eye/face protection Suitable

eye protection

frame glasses with side protection

skin protection

hand protection

Hand protection is not required.

Additional hand protection measures : Do not wear gloves near rotating machinery or tools.

body armor

Suitable body protection : Laboratory coat Coverall Disposable suit Note :

Wear only suitable, comfortable and clean protective clothing. Creams are not a substitute for body protection.

respiratory protection

Respiratory protection is required if: Limit values are exceeded Suitable

respiratory protection device Half

mask or quarter mask: Maximum use concentration for substances with limit values: P1 filter up to max. 4- times the limit value; P2 filter up to max. 10 times the limit value; P3 filter up to max. 30 times the limit value.

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remark
The respiratory protection filter class must be adapted to the maximum pollutant concentration (gas/vapour/aerosol/ particles) that can arise when handling the product. If the concentration is exceeded, an isolation device must be used!

General information
Wash hands before breaks and at the end of work. Do not eat, drink, smoke or sniffle at the workplace.
Remove contaminated clothing immediately. Store work clothes separately.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Look
Physical state: solid: granules
Odor
characteristic

safety-related parameters			
Melting point/freezing point:		100 - 120 °C	
Decomposition temperature:	>	300 °C	
Flash point:		not applicable	
Ignition temperature:	>	400 °C	
Density:	(20 °C)	1.25 g/cm	3

9.2 Other information None

SECTION 10: Stability and reactivity

10.1 Reactivity

When handled and stored as intended, no dangerous reactions occur.

10.2 Chemical stability

The product in the form in which it is delivered is not capable of causing a dust explosion; however, the accumulation of fine dust leads to a risk of dust explosion.

10.3 Possibility of hazardous reactions

When handled and stored as intended, no dangerous reactions occur.

10.4 Conditions to avoid

No information is available.

10.5 Incompatible materials

No information is available.

10.6 Hazardous decomposition products

Hydrogen cyanide (prussic acid) Styrene Carbon monoxide Nitriles Carbon dioxide (CO2) Nitrogen oxides (NOx).

SECTION 11: Toxicological information

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

11.2 Information on other hazards

No information is available.

SECTION 12: Ecological information

12.1 Toxicity

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- No information is available.
- 12.2 Persistence and degradability No information available.
- 12.3 Bioaccumulative potential No information is available.
- 12.4 Mobility in soil No information is available.
- 12.5 Results of PBT and vPvB assessment The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.
- 12.6 Endocrine disrupting properties No information available.
- 12.7 Other adverse effects No information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment procedures The allocation of waste code numbers/waste designations must be carried out in accordance with the EAKV, depending on the industry and process. Before disposing of the waste yourself, it must be checked whether there are any transfer or delivery obligations to be observed. Disposal in accordance with the Closed Substance Cycle and Waste Management Act (KrW-/AbfG). Non-contaminated and completely emptied packaging can be recycled. Contaminated packaging must be treated like the substance.

SECTION 14: Transport information

- 14.1 UN number or ID number Not a dangerous good within the meaning of these transport regulations.
- 14.2 UN proper shipping name Not a dangerous good within the meaning of these transport regulations.
- 14.3 Transport hazard classes Not a dangerous good within the meaning of these transport regulations.
- 14.4 Packing group Not a dangerous good in the sense of these transport regulations.
- 14.5 Environmental hazards Not a dangerous good in the sense of these transport regulations.
- 14.6 Special precautions for user No
- 14.7 Bulk cargo transport by sea according to IMO instruments not relevant

SECTION 15: Legal provisions

- 15.1 Safety, health and environmental protection regulations/specific legislation applicable to the substance or mixture
National regulations
water hazard class
Self-classification - Class: 1 (Slightly hazardous to water)
- 15.2 Chemical Safety Assessment
No information is available.

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SECTION 16: Other information

16.1 Change notices

No

16.2 Abbreviations and acronyms None

16.3 Important references and data sources

No

16.4 Text of H- and EUH-phrases (number and full text)

No

16.5 Training notes None

16.6 Additional information None

The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to give you guidance on the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material thus manufactured, unless expressly stated otherwise.
