

Safety Data Sheet acc. to OSHA HCS

Version Number 1.1 US
Reviewed on 03/09/2022

Printing date 03/09/2022

1 Identification

- **Product identifier**
- **Trade name: AltroMastic 100**
- **Article number: A1M*****
- **Application of the substance / the mixture** Sealant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Altro USA, Inc. - North American
Headquarters
80 Industrial Way
Wilmington, MA 01887
+1 800 641 2667
www.altro.com
sds@altro.com

Altro Resin Systems Ltd
Unit 3 Station Rd Industrial Estate
Maiden Newton,
Dorchester,
Dorset,
United Kingdom
DT2 0AE
Tel: +44(0)1300320620
Fax: +44(0)1300321122
sds@altro.com

- **Emergency telephone number:**
+44(0)1462480480 (Monday-Friday 09.00-17.00 GMT)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Skin Sens. 1 H317 May cause an allergic skin reaction.
Repr. 2 H361 Suspected of damaging fertility or the unborn child.

- Label elements

- GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms



GHS07 GHS08

- **Signal word** Warning

(Contd. on page 2)



Safety Data Sheet acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: AltroMastic 100

(Contd. of page 1)

- Hazard-determining components of labeling:

trimethoxyvinylsilane

- Hazard statements

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

- Precautionary statements

P263 Avoid contact during pregnancy/while nursing.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 If on skin: Wash with plenty of soap and water.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Other hazards

- Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures

- **Description:** Mixture of several substances

- Dangerous components:

CAS: 2768-02-7	trimethoxyvinylsilane Skin Sens. 1B, H317	<5%
CAS: 540-97-6	Dodecamethylcyclohexasiloxan Flam. Liq. 3, H226	<1%
CAS: 541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	<1%
CAS: 870-08-6	dioctyltin oxide Repr. 2, H361; STOT RE 1, H372	<0.2%
CAS: 556-67-2	octamethylcyclotetrasiloxane Flam. Liq. 3, H226; Repr. 2, H361	<0.2%
CAS: 67-56-1	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	<0.2%

- SVHC

CAS: 540-97-6	Dodecamethylcyclohexasiloxan
CAS: 541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
CAS: 556-67-2	octamethylcyclotetrasiloxane

US

(Contd. on page 3)

Safety Data Sheet acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: AltroMastic 100

(Contd. of page 2)

4 First-aid measures

- Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:** Call a doctor immediately.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

Water spray

Alcohol resistant foam

Fire-extinguishing powder

Carbon dioxide

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

- **Advice for firefighters**

- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:** Pick up mechanically.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- **Handling:**

- **Precautions for safe handling** Use only in well ventilated areas.

- **Information about protection against explosions and fires:** No special measures required.

(Contd. on page 4)

Safety Data Sheet acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: AltroMastic 100

(Contd. of page 3)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
 - Protect from frost.
 - Keep receptacle tightly sealed.
 - Protect from heat and direct sunlight.
 - Store receptacle in a well ventilated area.
 - Store in dry conditions.
- **Storage class (according german VCI-concept):** 12
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

CAS: 556-67-2 octamethylcyclotetrasiloxane

WEEL (USA)	Long-term value: 10* ppm *OARS WEEL
------------	--

CAS: 67-56-1 methanol

PEL (USA)	Long-term value: 260 mg/m ³ , 200 ppm
REL (USA)	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
TLV (USA)	Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI
IOELV (European Union)	Long-term value: 260 mg/m ³ , 200 ppm Skin

- Ingredients with biological limit values:

CAS: 67-56-1 methanol

BEI (USA)	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
-----------	---

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: AltroMastic 100

(Contd. of page 4)

- Additional Occupational Exposure Limit Values for possible hazards during processing:
CAS: 67-56-1 methanol

PEL (USA)	Long-term value: 260 mg/m ³ , 200 ppm
REL (USA)	Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin
TLV (USA)	Short-term value: 250 ppm Long-term value: 200 ppm Skin; BEI
IOELV (European Union)	Long-term value: 260 mg/m ³ , 200 ppm Skin

- Additional information:

The homogenous mixing of this product is safeguarded by continual physical testing. Raw materials which formerly had dust-like properties are completely incorporated into the liquid / paste-like mass. Subsequently, possible TLVs for solid substances are not given, as there is no more danger of inhaling these substances (when dealing with this mixture)!

- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

- Breathing equipment: Not necessary if room is well-ventilated.

- Protection of hands:

Direct contact with the chemical preparation must be avoided by organizational measures. Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work.

Compliance with the stated penetration time (starts with the first product contact) must be ensured!

The gloves need to be disposed of after the penetration time and new gloves used!

- For the permanent contact gloves made of the following materials are suitable:

If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the "Barrier 02-100" underglove from Ansell (penetration time 480 min).

- For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Butyl rubber, BR

- As protection from splashes gloves made of the following materials are suitable:

Recommended for protection from splashes: disposable nitrile gloves (minimum thickness 0.12 mm) with long cuffs. After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.

- Eye protection: Safety glasses recommended if direct contact (with the product) may occur.

US

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: AltroMastic 100

(Contd. of page 5)

9 Physical and chemical properties

- Information on basic physical and chemical properties	
- General Information	
- Appearance:	
Form:	Pasty
Color:	Colorless
- Odor:	Characteristic
- Odor threshold:	Not determined.
- Change in condition	
Boiling point/Boiling range:	Not applicable
- Flash point:	Not applicable.
- Ignition temperature:	Not determined
- Explosion limits:	
Lower:	Not determined
Upper:	Not determined
- Vapor pressure at 20 °C (68 °F):	<100 hPa (<75 mm Hg)
- Density at 20 °C (68 °F):	1.03 g/cm ³ (8.6 lbs/gal)
- Vapor density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility with	
Water:	Insoluble.
- Partition coefficient (n-octanol/water): Not determined.	
- Solvent content:	
VOC content:	0.1 % 1.3 g/l / 0.01 lb/gal
- Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
Besides its presence according to the composition (indication of content, see item 3), the following substance is formed, in addition, in case of contact with water (or air humidity) in low quantities:
methanol

US

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: AltroMastic 100

(Contd. of page 6)

11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Dermal	LD50	274,386 mg/kg
Inhalative	LC50/4 h	2,744 mg/l

CAS: 870-08-6 dioctyltin oxide

Oral	LD50	2,500 mg/kg (rat)
------	------	-------------------

CAS: 67-56-1 methanol

Oral	LD50	5,628 mg/kg (rat)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50/4 h	3 mg/l (ATE)

- Primary irritant effect:

- on the skin: Prolonged or repeated contact with the skin may cause skin irritation

- Additional toxicological information:

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

- NTP (National Toxicology Program)

None of the ingredients is listed.

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- Toxicity

- Aquatic toxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

- Persistence and degradability No further relevant information available.

- Behavior in environmental systems:

- Bioaccumulative potential No further relevant information available.

- Mobility in soil No further relevant information available.

- Additional ecological information:

- General notes: Do not allow product to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

- Other adverse effects No further relevant information available.

US

(Contd. on page 8)



Safety Data Sheet acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: AltroMastic 100

(Contd. of page 7)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Disposal in accordance with official regulations
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- UN-Number	
- DOT, ADR/RID/ADN, IMDG, IATA	Void
- UN proper shipping name	
- DOT, ADR/RID/ADN, IMDG, IATA	Void
- Transport hazard class(es)	
- DOT, ADR/RID/ADN, ADN, IMDG, IATA	
- Class	Void
- Packing group	
- DOT, ADR/RID/ADN, IMDG, IATA	Void
- Environmental hazards:	Not applicable.
- Special precautions for user	Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
- UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**

- Section 355 (extremely hazardous substances):	
None of the ingredient is listed.	
- Section 313 (Specific toxic chemical listings):	
CAS: 67-56-1	methanol
CAS: 7664-38-2	phosphoric acid
- TSCA (Toxic Substances Control Act):	
All ingredients are listed.	
- Hazardous Air Pollutants	
CAS: 67-56-1	methanol

(Contd. on page 9)

US

Safety Data Sheet acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: AltroMastic 100

(Contd. of page 8)

- Proposition 65

- Chemicals known to cause cancer:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

CAS: 67-56-1 | methanol

- Cancerogenity categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value)

CAS: 870-08-6 | dioctyltin oxide

A4

- MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

- NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing SDS:

- Contact:

- Date of preparation / last revision 03/09/2022 / 6

- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

(Contd. on page 10)



Safety Data Sheet
acc. to OSHA HCS

Printing date 03/09/2022

Reviewed on 03/09/2022

Trade name: Ködisil A transparent

(Contd. of page 9)

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 3: Acute toxicity – Category 3
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
Repr. 2: Reproductive toxicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

- * Data compared to the previous version altered.

US

Original supplier review Date 03/09/2022