

Safety data sheet
according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

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

· 1.1 Product identifier

· Trade name: **ACROBOND® MS 40S**

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

· **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations on industrial sites

· **Application of the substance / the preparation** : Sealant

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

ACROM SAS

Zone industrielle des Grands Bois

Rue de l'Europe

49280 LA SEGUINIÈRE

Tel : 02 41 56 08 94

Fax : 02 41 75 73 20

· 1.4 Emergency telephone number:

France (INRS 24h/24) - Tel : +33 (0)1 45 42 59 59

Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112

Belgium - Brüssel: +32 070/245 245

UK : Call NHS 999 in a medical emergency. If you urgently need medical help or advice but it's not a life-threatening situation, call 111 (24/7). The NHS 111 number is currently only available in certain areas. If you're outside of these areas, you should call NHS Direct on 0845 4647

Swiss Toxicological Information Centre (Zürich) : +41 44 251 51 51 / www.toxi.ch.

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008 :**

The product is not classified, according to the C.L.P. regulation.

· **Additional information:**

When applying the product over a large area, eliminate all sources of ignition,

e.g. welders, doorbells, electric stoves, refrigerators, night storage heaters, etc., in a wider area and on lower floors.

storage heaters, in a wider area and on lower floors. Post warning signs

warning of the risk of explosion.

· 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008** Not classified as hazardous

· **Hazard pictograms** Not classified as hazardous

· **Signal word** Not classified as hazardous

· **Hazard statements** Not classified as hazardous

· **Additional information:**

EUH208 Contains Trimethoxyvinylsilane. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 1)

2.3 Other hazards

The mixture shall not contain substances listed in accordance with Article 59(1) R.E.A.C.H as having endocrine disrupting properties, or be recognised as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a concentration equal to or greater than 0.1%.

Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties** No further information available

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- **Description:** Preparation: composed of the substances listed below.

Dangerous components:

CAS: 13822-56-5 EINECS: 237-511-5 Reg.nr.: 01-2119510159-45	3-(trimethoxysilyl)propylamine ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	1-<2.5%
CAS: 2768-02-7 EINECS: 220-449-8 Index number: 014-049-00-0 Reg.nr.: 01-2119513215-52-xxxx	Trimethoxyvinylsilane ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332; Skin Sens. 1B, H317	0.1-<2.5%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2 Reg.nr.: 01-2119913301-55-XXXX 01-2119489379-17-0000	Titanium dioxide substance with a Community workplace exposure limit	0.01-<2.5%

- **SVHC** Not applicable
- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- **After inhalation:** Provide fresh air; consult a doctor in case of medical complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed :

No further relevant information is available.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed :**
No further relevant information is available.
-

SECTION 5: Firefighting measures

- **5.1 Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
 - **5.2 Special hazards arising from the substance or mixture :**
Formation of toxic gases is possible during heating or in case of fire.
 - **5.3 Advice for firefighters**
 - **Protective equipment:** Wear self-contained respiratory protective device.
-

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures :**
Ensure adequate ventilation
Avoid formation of dust.
 - **For non-emergency personnel** No other relevant information available.
 - **For emergency responders** No other relevant information available.
 - **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow the product to enter sewers/ surface water or ground water.
 - **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
 - **6.4 Reference to other sections :**
See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.
-

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :** Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a dry, cool, well-ventilated place
- **Information about storage in one common storage facility:**
Store and load away from food and drink, including animal feed.
- **Further information about storage conditions:**
Store receptacle in a well ventilated area.
Store in dry conditions.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 3)

· **7.3 Specific end use(s)** : No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 13463-67-7 Titanium dioxide (<2.5%)

WEL (Great Britain) Long-term value: 10* 4** mg/m³
*total inhalable **respirable

MAK (Switzerland) Long-term value: 3 a mg/m³
SSc;

· **DNELs**

CAS: 2768-02-7 Trimethoxyvinylsilane

Oral	DNEL Public long-term systemic	0.3 mg/kg bw/d
Dermal	DNEL Public long-term systemic	0.3 mg/kg bw/d
	DNEL Worker long-term systemic	0.69 mg/kg bw/d
Inhalative	DNEL Public long-term systemic	1.04 mg/m ³
	DNEL Worker long-term systemic	4.9 mg/m ³
	DNEL Public acute/short-term local effects	93.4 mg/m ³

CAS: 13463-67-7 Titanium dioxide

Oral	DNEL Public long-term systemic	70 mg/kg bw/d
Inhalative	DNEL Worker long-term systemic	10 mg/m ³

· **PNECs**

CAS: 2768-02-7 Trimethoxyvinylsilane

PNEC STP	110 mg/L
PNEC aqua (fresh water)	0.34 mg/L
PNEC aqua (intermittent releases)	3.4 mg/L
PNEC aqua (marine water)	0.034 mg/L
PNEC sediment (fresh water)	0.27 mg/kg
PNEC sediment (marine water)	0.12 mg/kg
PNEC soil	0.046 mg/kg

CAS: 13463-67-7 Titanium dioxide

PNEC STP	100 mg/L
PNEC aqua (fresh water)	1.1 mg/L
PNEC aqua (marine water)	0.127 mg/L
PNEC sediment (fresh water)	1,000 mg/kg
PNEC sediment (marine water)	100 mg/kg
PNEC soil	100 mg/kg

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 4)

- **Additional information:**
The most current valid lists have been used as a basis for the production of this document.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.
- **Respiratory protection:** No special measures required.
- **Hand protection**



Protective gloves

- **Gloves material :** Butyl rubber, BR
- **Eye/face protection**



Safety glasses

- **Body protection:**



Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Solid
- **Form:** Pasty
- **Colour:** White
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Not determined.
- **Boiling point or initial boiling point and boiling range** Not determined.
- **Flammability** Not determined.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Auto-ignition temperature:** Not applicable.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 5)

· Decomposition temperature:	Not determined.
· pH	Mixture is non-polar/aprotic.
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Kinematic:	Not applicable.
· Dynamic:	Not applicable.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density at 20 °C:	1.5 g/cm ³
· Relative density :	Not determined.
· Vapour density :	Not applicable.
· Particle characteristics	CAS: 13463-67-7 dioxyde de titane [sous forme de poudre contenant 1 % ou plus de particules d'un diamètre aérodynamique ≤ 10 µm]. Cristallinité: nanoforme cristalline

· 9.2 Other information :	
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not self igniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· COV (USA) :	0.00 %
· Change in condition	
· Evaporation rate :	Not applicable.

· Information with regard to physical hazard classes	
· Explosives	Not classified as hazardous
· Flammable gases	Not classified as hazardous
· Aerosols	Not classified as hazardous
· Oxidising gases	Not classified as hazardous
· Gases under pressure	Not classified as hazardous
· Flammable liquids	Not classified as hazardous
· Flammable solids	Not classified as hazardous
· Self-reactive substances and mixtures	Not classified as hazardous
· Pyrophoric liquids	Not classified as hazardous
· Pyrophoric solids	Not classified as hazardous
· Self-heating substances and mixtures	Not classified as hazardous
· Substances and mixtures, which emit flammable gases in contact with water	Not classified as hazardous
· Oxidising liquids	Not classified as hazardous
· Oxidising solids	Not classified as hazardous
· Organic peroxides	Not classified as hazardous

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 6)

- | | |
|----------------------------------|-----------------------------|
| · Corrosive to metals | Not classified as hazardous |
| · Desensitised explosives | Not classified as hazardous |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions :** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid :** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Nitrogen oxides

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

CAS: 2768-02-7 Trimethoxyvinylsilane

Oral	LD50	7,130 mg/kg (rat)
Dermal	LD50	3,260 mg/kg (rabbit)
Inhalative	LC50/4 h	2,773 mg/l (rat)

CAS: 13463-67-7 Titanium dioxide

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eyes:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 7)

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 13463-67-7 Titanium dioxide

LC50 48h >1,000 mg/l (fish)

EC50 48h >1,000 mg/l (crustaceans)

- **12.2 Persistence and degradability** : No further relevant information available.
- **12.3 Bioaccumulative potential** : No further relevant information available.
- **12.4 Mobility in soil** : No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT**: Not applicable.
- **vPvB**: Not applicable.
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects** : No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation :



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 10)

08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by hazardous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number · DOT, ADR, IMDG, IATA	none
· 14.2 UN proper shipping name · ADR, IMDG, IATA	none
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	none
· 14.4 Packing group · ADR, IMDG, IATA	none
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	none

SECTION 15: Regulatory information

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

· Regulated explosives precursors
None of the ingredients is listed.
· Regulated poisons
None of the ingredients is listed.
· Reportable explosives precursors
None of the ingredients is listed.

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 9)

· Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU**· Named dangerous substances - ANNEX I** None of the ingredients is listed.**· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· REGULATION (EU) 2019/1148**· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 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.

Classification in accordance with Delegated Regulation (EU) 2023/1435 of 2 May 2023 adapting to technical and scientific progress for the 20th time GB CLP and amending Annex VI part 3 of Regulation (EC) 1272/2008.

Classification in accordance with Delegated Regulation (EU) 2024/197 of 19 October 2023 adapting to technical and scientific progress for the 21st time GB CLP and amending Annex VI part 3 of Regulation (EC) 1272/2008.

Classification in accordance with Delegated Regulation (EU) 2024/2564 of 19 June 2024 adapting to technical and scientific progress for the 22nd time GB CLP and amending Annex VI part 3 of Regulation (EC) 1272/2008.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2023/707.

· Relevant phrases

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

· Date of previous version: 07.05.2025

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 26.05.2025

Version number 2 (replaces version 1)

Revision: 26.05.2025

Trade name: ACROBOND® MS 40S

(Contd. of page 10)

· Version number of previous version: 1**· Abbreviations and acronyms:**

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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

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

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B
