

SAFETY DATA SHEET (EC 1907/2006)

SYNTHOMER XVT-LA

Material no.		Version	3.10 / REG_EU
Specification	120556	Revision date	05.01.2012
VA-Nr		Print Date	16.01.2012
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name	SYNTHOMER XVT-LA
Company	Synthomer Deutschland GmbH Postfach D-45764 Marl
Telephone	+49 (0)2365 49-5487
Telefax	+49 (0)2365 49-4665
Email address	regulatoryaffairs@synthomer.com
Emergency telephone number	+49 (0)2365/49-2232
Emergency telephone number(Telefax)	+49 (0)2365/49-4423 (Werkfeuerwehr, Infracor GmbH)
Use of the Substance / Preparation	Raw material for industrial use
REACH Registration No.:	if available listed in Chapter. 3

2. HAZARDS IDENTIFICATION

Other Hazards

Indication of hazard not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Aqueous dispersion of a copolymer of acrylonitrile and 1,3-butadiene, carboxylated
Concentration ca. 45 %

Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC

• alkylbenzenesulfonate	<= 1,5%
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CAS-No.

Xn; R22

Xi; R38, R41

Other information

The product contains - as generally common for products of this kind - traces of monomers due to the manufacturing process, even after intensive cleaning.
The base materials of the polymer are included in the EINECS Inventory.

See chapter 16 for text of risk phrases

4. FIRST AID MEASURES

Description of first aid measures

Remove contaminated or saturated clothing.

Skin contact

Wash off with plenty of water and soap immediately.

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Eye contact

Rinse with plenty of water immediately, seek medical advice if necessary.

Ingestion

Seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

The product is not combustible., In case of fire in the surroundings:, Water spray, foam, CO2, dry powder.

Special hazards arising from the substance or mixture

May be released in case of fire:
harmful gases/vapours

Special protective equipment for fire-fighters

wear a self contained respiratory apparatus

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions

Prevent product from entering drains.
Polymer precipitate may cause clogging

Methods and material for containment and cleaning up

Take up mechanically or with an absorbent material.
Transfer into suitable containers.
To be disposed of in compliance with existing regulations.
Suitable binder: diatomaceous earth, universal absorbent, sand (for damming up)

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Avoid contact with skin and eyes.
Application, processing: Provide good ventilation or extraction.

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

Storage

Conditions for safe storage, including any incompatibilities

Max. storage temperature: < 40 °C.
Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Engineering measures

In latex processing (e.g. in drying operations): Provide good ventilation or extraction.

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**Personal protective equipment****Respiratory protection**

if the limit values like TLV are exceeded, when vapours or aerosols occur
use respiratory equipment with suitable filter (filter type AX) or wear a self contained respiratory apparatus

Hand protection

rubber gloves

Eye protection

safety glasses

Hygiene measures

Avoid contact with skin and eyes.
Remove contaminated or saturated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	liquid
Colour	milky-white
Odour	faint inherent odour

Information on basic physical and chemical properties

pH	ca. 8,2	(23 °C)
Melting point/range	0 °C	water
Boiling point/range	ca. 100 °C (1013 hPa)	start of boiling water
Flash point	not applicable	
Ignition temperature	not applicable	
Upper explosion limit	not applicable	
Vapour pressure	130 hPa	(50 °C) water
Density	ca. 1 g/cm ³	(20 °C)
Water solubility	dilutable	
Viscosity, dynamic	ca. 45 mPa.s	(20 °C)
	Method:	Brookfield method

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	No dangerous reactions known.
Hazardous decomposition products	Decomposition of dry substance at consistently high temperatures., During processing/in drying operations: liberation of residual monomers.

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 rat: > 2000 mg/kg Method: OECD TG 423
Skin irritation	Method: OECD Guide-line 404 not irritating
Eye irritation	Method: OECD Guide-line 405 not irritating
Further information	No harmful effects have become known as yet.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Physico-chemical removability	The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.
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Ecotoxicity effects

Toxicity to fish	LC50 Cyprinus carpio: 610 mg/l / 96 h (Directive 92/69/EEC part C.1.) OECD 203
Toxicity to bacteria	EC50 Clarification sludge: > 2000 mg/l / 3 h Method: OECD 209

13. DISPOSAL CONSIDERATIONS

Product

With respect to local regulations, e.g. dispose of to suitable waste incineration plant.
No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.
The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

14. TRANSPORT INFORMATION

Transport/further information

Not dangerous according to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Statutory basis/list	Not subject to labelling provisions according to the Dangerous Preparations Directive (1999/45/EG).
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National legislation

16. OTHER INFORMATION

Risk phrase (R phrase) texts

- **alkylbenzenesulfonate**

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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**Legend**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration Factor
BetrSichV	German Ordinance on Industrial Safety and Health
c. c.	closed cup (geschlossenes Gefäß)
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	Carcinogenic-Mutagenic-toxic for Reproduction
DIN	German Institute for Standardization
DNEL	Derived No Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice.
GMO	Genetic Modified Organism
IATA DGR	International Air Transport Association – Dangerous Goods Regulations
ICAO-TI	International Civil Aviation Organisation - Technical Instructions
IMDG Code	International Maritime Dangerous Goods Code
ISO	International Organization For Standardization
LOAEL	Lowest Observed Adverse Effect Level
LOEL	Lowest Observed Effect Level
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
o. c.	open cup (offenes Gefäß)
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Effect Concentration
PNEC	Predicted No Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
TA	Technical Instructions (German Ordinance)
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances (German Regulations)
VCI	German "Verband der Chemischen Industrie e. V."
vPvB	Very Persistent, Very Bioaccumulative
VOC	Volatile Organic Compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	German Water Hazard Class
WHO	World Health Organization