

EC safety data sheet



Trade name: ALPATE WXT 6340

SAMPLE

Version: 1.0.0 / GB

Status: 26.11.2009

1.) Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Trade name

ALPATE WXT 6340

Use of the substance/preparation

Metallic paint (for automotive industry and industrial use); Ink and plastics manufacture

Company/undertaking identification

Address

Toyal Europe
Route de Lescun
F-64490 ACCOUS

Telephone no. +33 (0)5 59 98 35 35

Fax no. +33 (0)5 59 98 35 36

Information provided by / telephone

+33 (0)5 59 98 35 35

Emergency telephone

For medical advice:

+33 (0)1 40 05 48 48 (Anti Poison Center Paris)

In case of transport incidents and other emergencies:

+44 (0)208 762 8322 (NCEC, National Chemical Emergency Centre)

Advice on Safety Data Sheet

reach@toyol-europe.com

2.) Hazards identification

Hazard symbols

- N O N E

R phrases

- N O N E

Particular information pertaining specific risk for human / environment

The product does not require a hazard warning label in accordance with Directive 1999/45/EC. But please observe the information given in this safety data sheet.

3.) Composition / information on ingredients

Chemical characterization

Aluminium powder pasted in solvents

Hazardous ingredients

ALUMINIUM POWDER (STABILIZED)

EC no.	231-072-3	Index no.	013-002-00-1	CAS no.	7429-90-5
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Concentration	> 50	< 70	%-b.w.		
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Classification	F; R15 R10				
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Hazard symbols	F	R phrases	10-15		
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1-METHOXY-2-PROPANOL

EC no.	203-539-1	Index no.	603-064-00-3	CAS no.	107-98-2
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Concentration	> 30	< 50	%-b.w.		
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Classification	R10				
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Hazard symbols	-	R phrases	10		
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Adhesive agent

EC no.	-	Index no.	-	CAS no.	-
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Concentration	> 1	< 5	%-b.w.		
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Classification	R10 Xi; R37/38	Xi; R41 R67			
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Hazard symbols	Xi	R phrases	10-37/38-41-67		
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2-methoxypropanol

EC no.	216-455-5	Index no.	603-106-00-0	CAS no.	1589-47-5
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Concentration	< 0,2		%-b.w.		
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Classification	R10 Repr.Cat.2; R61	Xi; R37/38	Xi; R41		
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Hazard symbols	T	R phrases	61-10-37/38-41		
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4.) First aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

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After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye treatment by an oculist.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

5.) Fire-fighting measures

Suitable extinguishing media

Dry sand; Metal fire powders

Extinguishing media that must not be used for safety reasons

Water; Carbon dioxide; Dry powder; Foam; Halones

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of contact with acidic or alkaline (basic) media as well as water, aluminium powder will react under hydrogen formation.

Special protective equipment for fire-fighters

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Do not break burning matter - danger of explosion!

6.) Accidental release measures

Personal precautions

Refer to protective measures listed in sections 7 and 8. Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up

Pick up mechanically. Protect from water. When picked up, treat material as prescribed under heading "Disposal considerations".

Additional informations (chapter 6)

Do not collect residues using a non explosion-proof vacuum cleaner – Explosion hazard!

7.) Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation, if necessary). Avoid the formation and deposition of dust. Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

Storage

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container.

Advice on storage assembly

Do not store together with:

Oxidizing agents

Acids

Alkalies

Nitrates

Alcohols

Halogenated hydrocarbons

Halogens

Keep away from water.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Keep dry. Humidity penetration (water) into closed containers may lead to pressure increase and bursting of the container.

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8.) Exposure controls / personal protection

Exposure limit values

ALUMINIUM POWDER (STABILIZED)

CAS no. 7429-90-5
EC no. 231-072-3

Occupational Exposure Standards (OESs) / EH40

Aluminium metal
total inhalable dust
TWA 10 mg/m³

Occupational Exposure Standards (OESs) / EH40

Aluminium metal
respirable dust
TWA 4 mg/m³

1-METHOXY-2-PROPANOL

CAS no. 107-98-2
EC no. 203-539-1

2000/39/EWG

1-Methoxypropanol-2
TWA 375 mg/m³ 100 ml/m³
STEL 568 mg/m³ 150 ml/m³
Skin resorption / sensibilisation Skin

Occupational Exposure Standards (OESs) / EH40

1-Methoxypropan-2-ol
TWA 375 mg/m³ 100 ml/m³
STEL 560 mg/m³ 150 ml/m³
Skin resorption / sensibilisation Sk

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Eye protection

Safety glasses with side protection shield (EN 166)

Skin protection

Clothing as usual in the chemical industry.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Do not inhale vapours. Have eye wash fountain available. Have emergency shower available.

9.) Physical and chemical properties

General information

Form pasty
Colour silver-grey
Odour solvent-like

Important health, safety and environmental information

Changes in physical state

Type Melting point
Value approx 660 °C

Reference substance aluminium
Type Boiling temperature
Value 2467 °C

Reference substance aluminium

Flash point

Value 75 °C
Reference substance 2-Methoxymethylethoxy)propanol

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Ignition temperature

Value 207 °C
Reference substance 2-Methoxymethylethoxy)propanol

Explosion limits

Upper explosion limit 14,00 % vol
Reference substance 2-Methoxymethylethoxy)propanol
Lower explosion limit 1,10 % vol
Reference substance 2-Methoxymethylethoxy)propanol

Vapour pressure

Value 0,37 mbar
Reference temperature 20 °C
Reference substance 2-Methoxymethylethoxy)propanol

Density

Value 1,40 - 1,80 g/cm³
Source calculated value
Reference substance Product
Reference temperature 20 °C

Solubility in water

Remarks insoluble

Flammability :

Flammability : The product is NOT highly flammable according to UN Manual of Tests and Criteria, method 33.2.1.4 (flammability, solids).

10.) Stability and reactivity

Conditions to avoid

Moisture; Heat; Exothermic reactions are possible in the event of contact with incompatible substances.

Materials to avoid

Oxidizing agents; Acids; Alkalies; Nitrates; Alcohols; Halogenated hydrocarbons; Halogens; Water

Hazardous decomposition products

In case of contact with acidic or alkaline (basic) media as well as water, aluminium powder will react under hydrogen formation.

11.) Toxicological information

Acute toxicity

Acute oral toxicity

LD50 5130 mg/kg
Species rat
Reference substance 2-Methoxymethylethoxy)propanol

Acute dermal toxicity

LD50 > 19000 mg/kg
Species rabbit
Reference substance 2-Methoxymethylethoxy)propanol

Effects after repeated or prolonged exposition (subacute, subchronic, chronic)

Mutagenicity

Remarks No experimental information on genotoxicity available.

Reproduction toxicity

Remarks No experimental information on reproduction toxic effects available.

Carcinogenicity

Remarks No experimental information on carcinogenic effects available.

Experience in practice

Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin.
Inhalation of solvent vapours in higher concentration may lead to nausea, headache, drowsiness and dizziness.

Other information (chapter 11.)

Product specific toxicological data are not known.

12.) Ecological information

Other adverse effects

Ecological data are not available.
Do not discharge product unmonitored into the environment.

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13.) Disposal considerations

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

14.) Transport information

Other information (chapter 14.)

The product is not defined under national/international road, rail, sea and air transport regulations as a hazardous material.

15.) Regulatory information

Labelling in accordance with EC directives

The product does not require a hazard warning label in accordance with EC Directive 1999/45/EC.

Hazard symbols

- N O N E

R phrases

- N O N E

S phrases

7/8 Keep container tightly closed and dry.
43.10 In case of fire, use dry sand or metal fire powder. --- Never use water.

Special labelling for certain preparations

"Safety data sheet available for professional user on request."

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

16.) Other information

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.
Regulation (EC) No 1907/2006 (REACH) as amended in each case.
EC Directives 2000/39/EC, 2006/15/EC as amended in each case.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Relevant R-phrases (chapter 3):

10 Flammable.
15 Contact with water liberates extremely flammable gases.
37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.
61 May cause harm to the unborn child.
67 Vapours may cause drowsiness and dizziness.

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.