



HUBER ENGINEERED MATERIALS

Safety Data Sheet

According to (EC) No 1907/2006 (REACH)
(EU) No 453/2010

Issue Date: 09/Mar/2014

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

Product Name: Onyx Elite® 100

Chemical Name Aluminum Trihydrate

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SECTION 2: Hazards identification

Classification: EC 1272/2008: Not Classified
EC 67/548: Not Classified

Signal Word(s): None

Label Element(s): None

SECTION 3: Composition/information on ingredients

Chemical Name/CAS	EC / REACH	EU CLP Classification	%W/W
Aluminum Trihydrate 21645-51-2	244-492-7 01-2119529246-39 *	Not Classified	100

Aluminum Trihydrate - 21645-51-2

Regulation (EC) 1907/2006: *Contact JM Huber for REACH Regulatory Status

SECTION 4: First aid measures

General advice: In case of doubt or when symptoms persist, seek medical attention.

Eye contact:	Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.
Skin contact:	Wash skin with soap and water.
Ingestion:	Rinse mouth with water. Do not induce vomiting.
Inhalation:	Move person to fresh air
Notes to physician:	Treat symptomatically

SECTION 5: Firefighting measures

Suitable extinguishing media: Non-combustible

Special Protective Equipment for Firefighters: If necessary, wear self contained breathing apparatus (SCBA) for fire fighting.

SECTION 6: Accidental release measures

Personal precautions:	Avoid dust formation. When exposed to high concentrations of airborne dust, wear a SCBA in accordance with national legislation.
Environmental precautions:	This product presents no particular risk to the environment. Refer to national and local regulations in force prior to discharge into the sewer.
Cleanup methods:	Pick up mechanically and / or by rinsing with water. Avoid dry sweeping and use a sprinkler system or exhaust ventilation to prevent dust formation.
Other Information:	Personal Protection Equipment (PPE) - Refer to Section 8. Disposal - Refer to Section 13

SECTION 7: Handling and storage

Handling:	Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Store in a dry area. Keep containers closed and protect from physical damage.
Other precautions:	Refer to Section 10 for conditions to avoid.
Specific end uses:	Solid Surfaces

SECTION 8: Exposure controls/personal protection

Exposure Controls

Engineering Controls: Use mechanical ventilation (dilution and local exhaust) to control exposure.

Personal Protective Equipment

Eye Protection:	Safety glasses with side shields
Hand Protection:	Impervious gloves: chemical resistant EN 420
Skin and Body Protection:	Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure.
Respiratory Protection:	In case of exposure to high levels of airborne dust, wear a respirator EN 149, P2 half masks.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice.
Environmental Exposure:	This product does not present any particular risk for the environment. Check the appropriate national and local regulations. Prevent entry into sewers and waterways.

Control Parameters

Exposure Limit Values:

Nuisance particles/ Nuisance dust:	If not specified dusts are: ACGIH: 10 mg/m ³ (total dust), 3 mg/m ³ (respirable fraction) OSHA PEL: 15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)
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ACGIH - TLV-TWA 8-hour	10 mg/m ³
OSHA - TWA	10 mg/m ³
Austria - OEL - MAK	5 mg/m ³
Austria - OELs - STELs	10 mg/m ³
Austria - MAK - STEL	6 mg/m ³
Finland - OEL - TWAs	2 mg/m ³
France - OEL - TWAs	not established
France - OEL - STELs	not established
Germany - DFG - Recommended Exposure Limits - MAK Values	4 mg/m ³ 1.5 mg/m ³
Germany (TRGS903) - BAT	200 µg/l
Poland - OEL - TWA	2.5 mg/m ³ 1.2 mg/m ³
Russia - OELs - TWAs	6 mg/m ³
Slovak Republic - OEL - TWA	1.5 mg/m ³
Sweden - OEL - 8 Hour	1 mg/m ³ (som Al)
Switzerland - TWA	3 mg/m ³
UK - EH40 OES - TWA	4 mg.m-3 (respirable dust); 10 mg.m-3 (inhalable dust)

SECTION 9: Physical and chemical properties

pH: 8.4 - 10.2 (5% water suspension)

SECTION 10: Stability and reactivity

Stability:	Stable under normal conditions
Conditions to avoid:	None known
Materials to avoid (Incompatible Materials)	Strong Acids
Hazardous decomposition products:	None

SECTION 11: Toxicological information

Acute toxicity:	Data from the scientific literature on components are summarized below.
Chronic toxicity:	No evidence of mutagenic, reproductive or carcinogenic effects
Sensitization:	Does not cause sensitization
Eye irritation:	Non-irritating
Skin irritation:	Non-irritating
Inhalation:	Dust may irritate the respiratory system.
Ingestion:	May cause discomfort if swallowed

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LD50 Oral >5000 mg/kg (rat)

SECTION 12: Ecological information

Ecotoxicity:	EC50 (Fish) > 10000 mg/l EC50 (Daphnia) > 10000 mg/l
Persistence / Degradability:	Non-degradable
Bioaccumulative potential:	Inert Material
Mobility:	Inert material
Other Adverse Effects:	None known

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Germany - Water Classification (VwVwS) - Annex 3 5220 : NWG

SECTION 13: Disposal considerations

Waste treatment methods Dispose in accordance with local, state and national regulations.

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European Waste Catalogue (EWC): 060299

SECTION 14: Transport information

SECTION 15: Regulatory information

Health, Safety, and Environmental regulations / legislation for the substance or mixture

Component(s) of the product are on the following Inventory lists:

Chemical Name/CAS	EC / REACH	Australia (AICS)	Canada (DLS)	China (IECSC)	Japan (ENCS)	Korea (KECL)	New Zealand (NZIoC)	Philippines (PICCS)	USA (TSCA)	Taiwan (ECN)
Aluminum Trihydrate 21645-51-2	244-492-7 01- 2119529246- 39 *	Present	Present (DSL)	Present	(1)-17 (ENCS)	KE-00980	Present	Present	Present	Nominated

Legend

Present: Listed
-: Not Listed
*:Exempt
Nominated

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Regulation (EC) 1907/2006: *Contact JM Huber for REACH Regulatory Status

SECTION 16: Other information

Sources of key data:

Literature data and/or investigative reports are available through the manufacturer.

Training Advice:

Personnel handling the substance(s) named in this Safety Data Sheet should be skilled and trained in areas associated with the key points named herein.

Personnel should have training and access to appropriate PPE for handling this product.

Personnel handling the substance(s) named in this Safety Data Sheet are responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the substance(s) intended purpose.

If additional information is required, please contact the supplier or an expert.

Acronym / Abbreviation:

ACRONYMS:

INTERNATIONAL:

ADR: International Carriage of Dangerous Goods by Road

BOD: Biochemical Oxygen Demand

CLP: Classification, Labeling and Packaging

COD: Chemical Oxygen Demand

D.O.T.: U.S. Department of Transportation

ICAO International Civil Aviation Organization

IATA: International Air Transport Association (IATA)

IMO::International Maritime Organization.

IMDG::International Maritime Dangerous Goods

INCI: International Nomenclature of Cosmetic Ingredients

OES: Occupational Exposure Standard

OR: EU REACH Only Representative

PPE: Personal protection equipment

RID: International Carriage by Rail

SCBA: self contained breathing apparatus

TLV-STEL: Threshold Limit Values - Short Term Exposure Limits

TWA: Time Weighted Averages

North America:

CERCLA RQ: US EPA Comprehensive Environmental, Response, and Liability Act Reportable Quantity

CERCLA: US EPA Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CONEG: Conference of North Eastern Governors

NIOSH/MSHA - National Institute for Occupational Safety and Health/Mine Safety and Health

Administration

SARA: Superfund Amendments and Reauthorization Act (US EPA)

TDG: Canada Transport of Dangerous Goods

WHMIS: Canada's Workplace Hazardous Materials Information System

Prepared by:

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Reason for version:

Regulation (EC) 1907/2006: REACH
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and Article 31 or 32

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END OF SAFETY DATA SHEET