



Material Safety Data Sheet

Material Safety Data Sheet according to Reg. (EU) No 2015/830

Revision date: 06-02-2018

A1 Accelerator

Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier: A1 Accelerator

1.2. Relevant identified uses of the substance or mixture and uses advised against identified uses: A1 Accelerator

1.3. Details of the supplier of the safety data sheet

Supplier: A.C.T.
Nijverheidsweg 15 A
3251 LP Stellendam
The Netherlands
++31-187-663006
info@activecomposite.com

1.4. Emergency telephone number
Emergency telephone: +31 (0)187 663006

Section 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to directive 67/548/EEC or 1999/45/EC as amended

Classification: Xi,R41

Classification according to regulation (EC No. 1272/2008: Health hazards: Serious eye damage/eye irritation, category I, H318 – Causes serious eye damage.

Hazard summary:

Physical hazards: Not classified for physical hazards.

Health hazards: Risk of serious damage to eyes. Occupational exposure to the substance or mixture may cause adverse health effects.

Environmental hazards: Not classified for hazards to the environment

Specific hazards: For additional information on inhalation hazards, see section 11 of this data sheet.

Main symptoms: Not available

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008:

Contains: Aluminium sulphate

Identification number: -



Signal word: Danger

Hazard statements: H318- causes serious eye damage.

Precautionary statements: P 280 – Wear eye/face protection, H319 May cause eye irritation

P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do, continue rinsing

P310- Immediately call a Poison Centre or doctor/physician

Storage: Not assigned

Disposal: Not assigned

Supplemental information: Not applicable

2.3 Other hazards: Not assigned

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. General information:

Chemical name: (mixture) aluminium sulphate, 17% as (Al₂O₃, CAS no – 10043-01-3; 233-135-0, reach registration no – 01-2119531538-36-0049

Classification: DSD: XiR41, CLP Eye dam. 1; H318

DSD: Directive 67/548/EEC

CLP regulation No. 1272/2008

This substance has workplace exposure limit(s)

PBT: persistent, bio accumulative and toxic substance

vPvB: very persistent and very bio accumulative substance.

Composition comments: The full text for all R- and H phrases is displayed in section 16

Section 4. FIRST AID MEASURES

4.1. description of first aid measures:

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. No hazards which requires special first aid measures.

Inhalation: Move subject to fresh air. Get medical attention if needed.

Skin Contact: Flush skin with plenty of water. Get medical attention if any discomfort continues.

Eye Contact: Rinse with plenty of water for at least 15 minutes, continue rinsing. Get medical attention or call Poison Control Centre immediately.

Ingestion: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly. Get medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed: Not available

4.3. Indication of any immediate medical attention and special treatment needed: In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.

Section 5. FIRE-FIGHTING MEASURES

General fire hazards: Non-combustible, substance itself does not burn.

5.1. Extinguishing media:

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: none known

5.2. Special hazards arising from the substance or mixture: The product itself does not burn. No usual fire or explosion hazards notes. In the event of fire sulphur may be formed.

5.3. Advice for firefighters

Fire Fighting Procedures

Special protective equipment for firefighters: Wear self-contained breathing apparatus and appropriate protective clothing.

Special fire- fighting procedures: No usual fire or explosion hazards noted

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Use personal protective equipment and follow precautions for safe handling described in this data sheet. Local authorities should be advised if significant spillages cannot be contained. Stay upwind. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.

For emergency responders: Not available.

6.2. Environmental precautions: No special environmental precautions required.

6.3. Methods and materials for containment and cleaning up: Should not be released into the environment. Prevent entry into waterways, sewers, basements or confined areas. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up, collect and place in suitable waste containers disposal. Avoid generation of dust during cleaning up. After removal flush contaminated area thoroughly with water. This material and its container must be disposed as hazardous waste. For waste disposal see section 13.

6.4. Reference to other sections:

Not available.

Section 7. HANDLING AND STORAGE

7.1. Advice on safe handling:

Avoid dust formation. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breath dust from this material. In case of insufficient ventilation, wear suitable respiratory equipment. Do not get this material in contact with eyes. Avoid contact with skin, eyes and clothing. Do not breathe vapours/dust. Avoid prolonged exposure. Practice good housekeeping. Wash thoroughly after handling. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities:

Keep from dust accumulation of this material. freezing – product stability can be affected. Keep container tightly closed store in a dry and well ventilated place. Keep out of reach of children.

7.3. Specific end use(s): see section 1.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters: Exposure limits are listed below, if they exist.

Occupational exposure limits: No exposure limits noted for the ingredients.

Biological limit values: No biological exposure limits noted for the ingredient.

Recommended monitoring procedures: not available.

Engineering controls: Use only in facilities with adequate ventilation.

DNEL

Components: Aluminium sulphate (10043-01-03)

Type : Consumer

Route: Oral

Value: 3.4 mg/kg bw/day

Form: Long Term Systemic effects

Type: Industry

Route Inhalation

Value: 20,2 mg/m³

Form: Long term Systemic effects

PNEC

Components: Aluminium sulphate (10043-01-03)

Type: Not applicable

Route: STP Water

Value 20/mg/l 0,3 ug/l

Form: freshwater

Route: Water

Value: 0.03 ug/l

Form: marine water

8.2.

Exposure controls

Appropriate engineering controls: Ventilation should be sufficient to effectively remove and prevent build-up of any dusts or fumes that may be generated during handling or thermal processing. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Individual protective measures:

General information: Use personal protective equipment as required. Eye wash fountain is recommended. Keep working clothes separately.

Personal protective equipment

Eye/face protection: Tightly fitting safety glasses with side-shields Eye protection worn must be compatible with respiratory protection system.

Hand protection: The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves Polyvinyl chloride, rubber. (natural, latex). The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Respiratory protection: Wear a dust mask if dust is generated above exposure limits.

Thermal Hazards: Not applicable

Hygiene measures: Do not breathe dust. Do not get in eyes. Handle in accordance with good hygiene and safety practices.

Environmental exposure controls: Avoid release to the environment. Contain spills and prevent releases and observe national regulations on emissions.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	white
Odour	not significant

Odour Threshold	no data available
pH	no data available
Melting point/range	120 -140 °C
Boiling point	770.00 °C
Flash point	no data available
Vapour Density (Air = 1)	not applicable
Flammability (solid, gas)	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	not applicable
Relative Density	not applicable
Solubility in Water	Soluble
Partition coefficient: n- octanol/water	no data available
Auto-ignition temperature	not applicable
Decomposition temperature	no data available
Dynamic Viscosity	not applicable.
Percent volatile	0% estimated
Other data	
Specific gravity	1.61 1.61 estimated

9.2. Other information no relevant additional information available

Molecular weight	no data available
Percent Volatility	54.4 - 56.7 % Water

Note the data presented above are typical values and should not be construed as a specification.

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity:	No data available
10.2. Chemical stability:	Stable at normal conditions
10.3. Possibility of hazardous reactions:	None known
10.4. Conditions to avoid:	Avoid spread or dust. None known
10.5. Incompatible materials:	Not available
10.6. Hazardous decomposition products:	Sulphur oxides

Section 11. TOXICOLOGICAL INFORMATION

Toxicological information on this product only appears in this section when such data is available.

11.1. Information on toxicological effects, acute toxicity

Ingestion	Not applicable
Inhalation	Inhalation of dust may cause respiratory irritation.
Skin contact	Not applicable.
Eye contact	Causes serious eye damage
Symptoms:	Not available

11.1 Information on toxicological effects

Acute toxicity:	Not classified
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Components: Aluminium sulphate (10043-01-3), Acute dermal LD50 Rat > 5000 mg/kg, acute inhalation LC50 Rat. > 5000 mg/m³ 4.00 hours, Acute Oral LD50 Rat: 2000-5000 mg/kg

*Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified

Respiratory sensitisation	Not classified
Skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ	Not classified
Toxicity – single exposure	
Specific target organ	Not classified
Toxicity – repeated exposure	
Aspiration hazard	Not classified
Mixtures versus substance information	None known
Other information	None known

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity: components: Aluminium sulphate (10043-01-3)

Test results: NOEC Brook trout (*salvelinus fontinalis*) 13 µg/l 60.00 days dissolved Al
 LC 50 Brown rout (*salmo trutta*) 15µ/l 42.00 days dissolved Al
 EC50 Daphnia; 212 -1260 µg/l 48.00 hours dissolved Al
 EC50 Daphnia: > 200 mg/l 48.00 hours

- Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability: The product solely consists of inorganic compounds which are not bio degradable

12.3. Bio-accumulative potential: Not assigned

12.4. Mobility in soil: Not assigned.

12.5. Results of PBT and vPvB assessment: Not assigned

12.6. Other adverse effects: None known

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Residual waste: Dispose of in accordance with local regulations

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycle or disposal.

EU waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not dispose of waste into sewer. Dispose of contents//container in accordance with local/regional/national/international regulations.

Section 14. TRANSPORT INFORMATION

Classification for ROAD and Rail transport (ADR/RID):

ADR:	Not regulated as dangerous goods
RID	Not regulated as dangerous goods
ADN	Not regulated as dangerous goods
IATA	Not regulated as dangerous goods
IMDG	Not regulated as dangerous goods

14.7. Transport in bulk according to Annex I or II of

MARPOL 73/78 and the IBC or IGC code No information available

This information is not intended to convey all specific, regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of this material.

Section 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (EC) No. 2037 2000 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 2037 2000 on substances that deplete the ozone layer, Annex II Not listed.

Regulation (EC) No. 850 2004 on persistent organic pollutants, Annex I Not listed.

Regulation (EC) No. C8 2008 concerning the export and import of dangerous chemicals, Annex I, part 1 Not listed.

Regulation (EC) No. C8 2008 concerning the export and import of dangerous chemicals, Annex I, part 2 Not listed.

Regulation (EC) No. C8 2008 concerning the export and import of dangerous chemicals, Annex I, part 3 Not listed.

Regulation (EC) No. C8 2008 concerning the export and import of dangerous chemicals, Annex V Not listed.

Commission Decision 2000 47 EC on the implementation of a European pollutant emission register (EPER) Not listed.

Regulation (EC) No. 1 07 200C, Article 5 (1). Candidate List Not listed.

Other regulations This Safety Data Sheet complies with the requirements of Regulation (EC) No 1 07 200C.

National regulations Not available.

15.2 Chemical Safety Assessment: A chemical safety assessment has been carried out as part of the REACH registration dossier assessment.

Water hazard class: ABM klasse ID number b11

Inventory status

Country(s) or region	Inventory name	On inventory (yes no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Section 16. OTHER INFORMATION

List of abbreviations: Not available

References: Not available

Information on evaluation method leading to classification of the mixture: not available

Full text of any statements or R phrases and H phrases under section 2 and 5: R 41 Risk of serious damage to eyes – H 318 – Causes serious eye damage

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