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

1.1 Product identifier

Trade names: calcined alumina
IUPAC name: aluminium oxide
Synonyms: calcined alumina, ALK, Smelter Grade Alumina, ALC, MCA, CA Gr.S,
EC# 215-691-6
CAS # 1344-28-1
Molecular weight 101.96
REACH Registration No.: 01-2119529248-35-0012

1.2 Use of the substance/ the preparation

Industrial use, further processing into a number of articles/products
Primary aluminium production

1.1.Company identification

Name	S.C. ALUM S.A
Address	Str. Isaccei nr. 82 , Tulcea , 820228
Phone no	+(40) 0240 535 022; 0240 535 740
Fax	+(40) 0240 535 495; 0240 535 230
E-mail	alum@alum.ro

1.2.Emergency numbers

Emergency no:	112
Company phone no:	0240/ 0240 535 022 available 24 h/day/365 days
National Institute of Public Health through the Office for International Health Regulations and Toxicological Information is responsible for information in emergency health situations	Phone no : 0213 183 606 Monday-Friday: 8^{00}- 15^{00}

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to Reg. (EC) 1272/2008

Classification
This substance or mixture does not meet the criteria for classification as dangerous in accordance with Directives 67/548/EEC or 1999/45/EC and/or Regulation (EC) No 1272/2008 including all

applicable amendments. However, it contains a substance for which there are Community workplace exposure limits. This Safety Data Sheet is available upon request.
This substance has been classified as not dangerous according to CHIP3. However, the substance has an occupational exposure limit. Therefore, this Safety Data Sheet is being provided in accordance with the regulations.
Classification according to Regulation (EC) No 1272/2008 as amended
This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended. Specific hazards Can cause mild irritation of the upper respiratory tract.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	Aluminium oxide (non-fibrous)
Hazard pictograms	None.
Signal word	None.
Hazard statements	The substance does not meet the criteria for classification.

Precautionary statements

Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.

Supplemental label information None.

2.3. Other hazards This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex Xlll. None known. The substance is not included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances

Composition comments The full text for all H-statements is displayed in section 16. Complete composition is provided below and may include some components classified as non-hazardous.
General information

Chemical name	%	CAS-No.	EC No.	REACH Registration No.	Index No.	Notes
Aluminium oxide (non-fibrous)	98,6 – 100	# 1344-28-1	# 215-691-6	01-2119529248-35-0012	-	
Classification: -						

List of abbreviations and symbols that may be used above
CLP: Regulation No. 1272/2008.
M: M-factor
ATE: Acute toxicity estimate.
vPvB: very persistent and very bioaccumulative substance. PBT: persistent, bioaccumulative and toxic substance.

4. FIRST-AID MEASURES

General information
If exposed or concerned: get medical attention/advice.

4.1. Description of first aid measures

Inhalation
Call a poison centre or doctor/physician if you feel unwell. Remove to fresh air. Check for clear airway, breathing, and presence of pulse. If breathing is difficult, provide oxygen. Loosen any tight clothing on neck or chest. Provide cardiopulmonary resuscitation for persons without pulse or respirations. Consult a physician.

Skin contact
Wash with soap and water for at least 15 minutes. Get medical attention if irritation develops and persists.

Eye contact
Rinse eyes with plenty of water or saline for at least 15 minutes. Consult a physician.

Ingestion
If swallowed, dilute by drinking water. Recommend quantities up to 30 ml- (-1 250 mL (—9 oz.) in adults. Never give anything by mouth to a victim who is unconscious or who is having convulsions. Do NOT induce vomiting. Consult a physician.

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

Medical conditions aggravated by exposure
See Section 11 for additional information on health hazards.
Medical conditions aggravated by exposure
Asthma, chronic lung disease and skin rashes.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

General fire hazards Non-combustible.

5.1. Extinguishing media

Suitable extinguishing media Use fire fighting methods and materials that are appropriate for surrounding fire.

Unsuitable extinguishing media None known.

5.2. Special hazards arising from the substance or mixture

No unusual fire or explosion hazards noted.

Hazardous combustion products No hazardous decomposition products are known.

5.3. Advice for firefighters

Special protective equipment for firefighters

Firefighters should wear CE, positive pressure, self - contained breathing apparatus and full protective clothing when appropriate.

Special fire fighting procedures Use fire fighting methods and materials that are appropriate for surrounding fire.

Explosion data

Sensitivity to mechanical impact Not sensitive.

Sensitivity to static discharge Not applicable.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Avoid contact with skin and eyes. Avoid generating dust.

For emergency responders Avoid generating dust. Avoid contact with skin and eyes.

Evacuation procedures None necessary.

6.2. Environmental precautions No special environmental precautions required. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Return to containers using shovels, buckets or brooms. Clean up in accordance with all applicabie regulations.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling Avoid generating dust. Avoid contact with skin and eyes. Avoid breathing dust. Wet alumina should not be added to an aluminium reduction cell.

7.2. Conditions for safe storage, including any incompatibilities

Keep material dry.

7.3. Specific end use(s) Not assigned.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Material	Type	Value	Form
CALCINED ALUMINA	TWA	4 mg/m3 10 mg/m3	Respirabie dust Inhalable dust

Components	Type	Value	Form
Aluminium oxide (non-fibrous) (CAS 1344-28-1)	TWA	4 mg/m3	Respirabie dust

ACGIH

Components	Type	Value	Form
Aluminium oxide (non-fibrous) (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction, as Al

US. ACGIH Threshold Limit Values

Material	Type	Value	Form
CALCINED ALUMINA	TWA	1 mg/m3	Respirable fraction.

Derived no effect level (DNEL)

Aluminium oxide (non-fibrous) (1344-28-1)
Inhalation: 15,63 mg/m3
Aluminium oxide (non-fibrous) (1344-28-1)
Oral: 3,29 mg Al/kg bw/day

Derived minimum effect level (DMEL)

Not established

Predicted no effect concentrations (PNECs)

Aluminium oxide (non-fibrous) (1344-28-1)
Soil: Not assigned
Aluminium oxide (non-fibrous) (1344-28-1)
Water: Aquatic toxicity is unlikely due to low solubility.

Recommended monitoring procedures

Follow standard monitoring procedures.

8.2. Exposure controls

Appropriate engineering controls

Use with adequate ventilation to meet the limits listed in Section 8.

Individual protection measures, such as personal protective equipment

General information	Not available.
Eye/face protection	Safety glasses with full side shields or goggles recommended. Use tight fitting goggles if excessive levels of dust are generated.
Skin protection	
- Hand protection	Wear appropriate gloves to avoid any skin injury.
- Other	Not available.
Respiratory protection	Use CE-approved respiratory protection as specified by an Industrial Hygienist or other qualified professional if concentrations exceed the limites in Section 8. Suggested respiratory protection: P2
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comp!} with the requirements of environmental protection legislation. Fume scrubbers, fitters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Solid.
Form	Solid. Solid, powder.
Colour	White.
Odour	Odourless
Odour threshold	Not applicable
pH	9 - 10 (10% slurry)
Melting point/freezing point	2050 ºC (3722 º F)
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available.

Upper/lower flammability or explosive limits

Explosive limit - lower (0/0)	Not applicable

Explosive limit — upper	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	Not determined
Solubility(ies)	Insoluble
Partition coefficient	Not applicable.
(n-octanol/water)	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Explosive properties	Not explosive. Not applicable.
Oxidising properties	Not oxidising. Not applicable.

9.2. Other information

Bulk density	0,77 - 1 g/cm3
Density	3,60 - 3,90 g/cm3
Molecular formula	Al2O3
Molecular weight	101 ,94 g/mol
VOC	Not applicable

10. STABILITY AND REACTIVITY

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Stable under normal conditions of use, storage, and transportation.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	None known.
10.5. Incompatible materials	May generate heat on contact with water.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

General information Not available.

Health effects associated with ingredients

Alumina (aluminium oxide): Low health risk by inhalation. Generally considered to be biologically inert.

Health effects associated with compounds formed during processing

No new/additional compounds are expected to be formed during processing.

Information on likely routes of exposure

Ingestion Can cause mild irritation.

Inhalation Can cause mild irritation of the upper respiratory tract.
Skin contact Can cause mild irritation.
Eye contact Can cause mild irritation.
Symptoms See Section 11 for additional information on health hazards.

11.1. Information on toxicological effects

Acute toxicity Not classified. Based on available data, the classification criteria are not met.

Components	Species	Test Results
Aluminium oxide (non-fibrous) (CAS 1344-28-1)		
Acute Inhalation		
LC50	Rat	>5 mg/L
Acute Oral		
LD50	Rat	>5000mg/L

Skin corrosionlirritation Non-corrosive.
Serious eye damage/eye irritation Direct contact may irritate.
Respiratory sensitisation Nota respiratory sensitiser.
Routes of exposure Ingestion. Skin contact. Eye contact.
Skin sensitisation May cause minor irritation on skin contact. Not a skin sensitiser.
Germ cell mutagenicity Contains no ingredient listed as a mutagen.
Neurological effects Not applicable.
Pre-existing conditions aggravated by exposure Asthma, chronic lung disease and skin rashes.
Carcinogenicity Based on available data, the classification criteria are not met.

ACGIH Carcinogens

Aluminium oxide (non-fibrous) (CAS 1344-28-1) A4 Not classifiable as a human carcinogen.

Reproductive toxicity Does not present any reproductive hazards.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Symptoms	Direct contact with eyes may cause temporary irritation. May cause skin irritation in susceptible persons. Dust may irritate respiratory system or lungs. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Aspiration hazard	Not an aspiration hazard.
Mixture versus substance information	No information available**.**
Other information	None known.

12. ECOLOGICAL INFORMATION

12.1. Toxicity	Due to partial or complete lack of data the classification for hazardous to the aquatic environment, is not possible.
12.2. Persistence and degradability	The product solely consists of inorganic compounds which are not biodegradable.
12.3. Bioaccumulative potential	The product is not bioaccumulating.
Partition coefficient n-octanol/water (log Kow)	Not applicable.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not considered mobile.
Mobility in general	Not considered mobile.
12.5. Results of PBT and vPvB assessment	This substance does not meet vPvB PBT criteria of Regulation (EC) No 1907/2006, Annex
12.7. Other adverse effects	None known.
12.8. Additional information	None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal methods/information	Reuse or recycle material whenever possible. If reuse or recycling is not possible, disposai must be made according to local or governmental regulations.
EU waste code	Waste codes should be assigned by the user based on the application for hic used. The Waste code should be assigned in discussion between the user, waste disposal company.

	The following Waste Codes are only suggestions: 160304 - inorganic wastes other than those mentioned in 160303
Residual waste	Not available.
Contaminated packaging	Dispose of in accordance with local regulations.
Special precautions	Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

14. TRANSPORT INFORMATION

General Shipping Information

Basic Shipping Information

ID number	-
Proper shipping name	Not regulated
Hazard class	-
Packing group	-

General Shipping Notes

- US HTS (Harmonized Tariff Schedule) code: 181820.0000
- The import/export HTS (Harmonized Tariff Schedule) code given above is the United States HTS code provided by Alcoa's Customs Compliance Office in Knoxville, TN. Other country specific HTS codes may apply. If available, more information on the HTS codes will be provided on country specific Safety Data Sheets (SDS).
- When "Not regulated", enter the proper freight classification, SDS Number and Product Name onto the shipping paperwork.

IMSBC

Basic Shipping Information

14.1.	**UN number**	-
14.2.	**Bulk cargo shipping name**	Not available
14.3.	**Transport hazard class(es)**	
	Class	-
	Subsidiary risk	-
14.4.	**Packing group**	-
14.5.	**Environmental hazards**	

Marine pollutant	No.
EmS	Not available
14.6. **Special precautions for users**	Read safety instructions, SDS and emergency procedures before handling.

IMSBC Code Notes:

- Classification applies to international vessel transport of "Alumina, Calcined" as bulk cargo (may not apply to domestic only shipments-check local regulations). The Bulk Cargo Shipping Name (BCSN) is provided above.
- Per the IMSBC code,"Alumina, Calcined" for bulk transport by vessel is classed as Group C with no special hazards.
- "Alumina, Calcined" is NOT classified as Harmful to the Marine Environment (HME).

Disclaimer

This section provides basic classification information and, where relevant, information with respect to specific modal regulations, environmental hazards and special precautions. Otherwise, it is presumed that the information is not availabie/not reievant

15. REGULATORY INFORMATION

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

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants recast), as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex l, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Not listed.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not listed.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

Not listed.

Directive 94/33/EC on the protection of young people at work, as amended

Not listed.

Other regulations

Conforms to Regulation (EC) NO 1906/2006 (REACH), Annex II, as amended by Comission Regulations (EU) 2020/878.

National regulations

Not available.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	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 Existing Commercial Chemical Substances (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
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	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)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

15.2. Chemical safety assessment Chemical Safety Assessment has been carried out. All components of the mixture are on the EINECS or ELINCS inventories.

16. OTHER INFORMATION

In dealing with chemicals the national laws and regulation must be observed and applied.

Disclaimer 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.

Recommended use Recommended limitations of use by manufacturer:
For industrial use and as component in consumer products.

Version history:
Original: 2005-07-06- Latest version:2015-05-20
Revision: 1 Revision: 6
Doc.-ID: FDS 134-01
SDS Status: 04.12.2023: Change(s) in Section: 1, 2, 3,11, 12, 15, and 16. (Conforms to Regulation (EC) NO 1906/2006 (REACH), Annex II, as amended by Comission Regulations (EU) 2020/878).

Department issuing MSDS:
Technical & Quality Department

Abbreviations and acronyms

Other information

- Guide to Occupational Exposure Values 2012, Compiled by the American Conference of Governmental Industrial Hygienists (ACGIH).
- NIOSH Pocket Guide to Chemical Hazards, U.S. Department of Health and Human Services, September 2005.
- expub, Expert Publishing, LLC., www.expub.com,
- Ariel, 3E Company, www.3Ecompany.com Key/Legend:

ACGIH American Conference of Governmental Industrial Hygienists
AICS Australian Inventory of Chemical Substances
CAS Chemical Abstract Services
CERCI-A Comprehensive Environmental Response, Compensation, and Liability Act
CFR Code of Federal Regulations
CPR Cardio-pulmonary Resuscitation
DOT Department of Transportation
DSL Domestic Substances List (Canada)
EC Effective Concentration
ED Effective Dose
EINECS European Inventory of Existing Commercial Chemical Substances
ENCS Japan - Existing and New Chemical Substances
EVVC European Waste Catalogue
Environmental Protective Agency
IARC Internationai Agency for Research on Cancer
LC Lethal Concentration Lethal Dose
MAK Maximum Workplace Concentration (Germany) "maximale Arbeitsplatz-Konzentration"
NDSL Non-Domestic Substances List (Canada)
NIOSH National Institute for Occupational Safety and Health
NTP National Toxicology Program
OEL Occupational Exposure Limit
OSHA Occupational Safety and Health Administration
PIN Product Identification Number
PMCC Pensky Marten Closed Cup
RCRA Resource Conservation and Recovery Act
SARA Superfund Amendments and Reauthorization Act
SIMDUT Système d'lnformation sur les Matières Dangereuses Utilisées au Travail
STEL Short Term Exposure Limit
TCLP Toxic Chemicals Leachate Program
TDG Transportation of Dangerous Goods
TLV Threshold Limit Value
TSCA Toxic Substances Control Act

TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System: m metre, cm centimetre, mm millimetre, in inch, g gram, kg kilogram, 1b pound, ug microgram, ppm parts per million, ft feet

*** End of MSDS ***

Precautionary statement(s)

Prevention	Not applicable.
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable
Hazard pictograms	None.
Signal word	None.
Hazard statements	The substance does not meet the criteria for classification.

None.

Supplemental Information

Contains:	Chemical name	Aluminium oxide (non-fibrous)
	%	98,6 – 100
	CAS-No.	# 1344-28-1
	EC No.	# 215-691-6
	REACH Registration No.	01-2119529248-35-0012

Inhalation Call a poison centre or doctor/physician if you feel unwell. Remove to fresh air. Check for clear airway, breathing, and presence of pulse. If breathing is difficult, provide oxygen. Loosen any tight clothing on neck or chest. Provide cardiopulmonary resuscitation for persons without pulse or respirations. Consult a physician.
Skin contact Wash with soap and water for at least 15 minutes. Get medical attention if irritation develops and persists.
Eye contact Rinse eyes with plenty of water or saline for at least 15 minutes. Consult a physician.
Ingestion If swallowed, dilute by drinking water. Recommend quantities up to 30 ml-250 mL (1-9 oz.) in adults. Never give anything by mouth to a victim who is unconscious or who is having convulsions. Do NOT induce vomiting. Consult a physician.
Non-combustible. Not an explosion hazard.
Fire fighting measures: Use fire fighting methods and materials that are appropriate for surrounding fire.
In case of spill: Avoid the generation of dusts during clean-up. Avoid contact with skin and eyes. Pick up mechanically.
See ALUM SDS Number FDS 134-01 EN

Name S.C. ALUM S.A
Address Str. Isaccei nr. 82 , Tulcea , 820228
Phone no +(40) 0240 535 022; 0240 535 740
Fax +(40) 0240 535 495; 0240 535 230
E-mail alum@alum.ro
Emergency no: 112

Company phone no: 0240/ 0240 535 022 available 24 h/day/365 days
National Institute of Public Health through the Office for International Health Regulations and Toxicological Information is responsible for information in emergency health situations
Phone no : 0213 183 606
Monday-Friday: 8^{00}- 15^{00}

Faze de precautie

Prevenire	Nu se aplică.
Raspuns	Nu se aplică.
Depozitare	Nu se aplică.
Eliminare	Nu se aplică.
Pictograme de pericol	Nici unul.
Cuvant de semnal	Nici unul.
Fraze de pericol	Substanța nu îndeplinește criteriile de clasificare..

Nici una.

Informatii suplimentare

Substante:	Denumire chimica	Oxid de aluminiu (non-fibros)
	%	98,6 – 100
	Nr. CAS	# 1344-28-1
	Nr. EC	# 215-691-6
	Nr. inregistrare REACH	01-2119529248-35-0012

Inhalare Sunați la un centru de otrăvire sau la un medic/medic dacă nu vă simțiți bine. Scoatere la aer curat. Verificați căile respiratorii libere, respirația și prezența pulsului. Dacă respirația este dificilă, furnizați oxigen. Slăbiți orice îmbrăcăminte strânsă de pe gât sau pe piept. Asigurați resuscitare cardiopulmonară pentru persoanele fără puls sau respirații. Consultați un medic.
Contact cu pielea Spălați cu apă și săpun cel puțin 15 minute. Solicitați asistență medicală dacă iritația se dezvoltă și persistă.
Contact cu ochiul Clătiți ochii cu multă apă sau soluție salină timp de cel puțin 15 minute. Consultați un medic.
Ingestie Dacă este înghițit, diluați cu apă potabilă. Se recomandă cantități de până la 30 ml-250 ml (1-9 oz.) la adulți. Nu administrați niciodată nimic pe cale orală unei victime care inconstienta sau care are convulsii.
Nu provocați voma. Consultați un medic.
Non-combustibil. Nu exista pericol de explozie.
Mijloace de stingere a incendiilor: Utilizați metode și materiale de stingere a incendiilor adecvate pentru incendiul înconjurător
Măsuri împotriva pierderilor accidentale: Evitați contactul cu pielea și ochii. Evitați generarea de praf. Se indeparteaza folosind lopeți, găleți sau mături.
A se vedea Fisa cu date de scuritate ALUM cod: FDS 134-01 RO

Nume S.C. ALUM S.A
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Număr de urgență: 112

Telefon companie: 0240/ 0240 535 022 valabil 24 h/zi/365 zile
Institutul Național de Sănătate Publică prin Oficiul pentru Reglementări Sanitare Internaționale și Informații Toxicologice este responsabil pentru informarea în situații de urgență sanitară
Nr. telefon : 0213 183 606
Luni-Vineri: 8^{00}- 15^{00}