Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Concentrate Aluminum 180 kgs

Version 5.0

Revision Date 13.01.2023

Print Date 14.01.2023

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

1.1 Product identifier

Trade name Material number : Concentrate Aluminum 180 kgs : 08841225V

1.2 Relevant identified uses of the substance or mixture and uses advised against

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company	: ECKART GmbH
	Guentersthal 4
	91235 Hartenstein
Telephone	: +499152770
Telefax	: +499152777008
E-mail address	: msds.eckart@altana.com
Responsible/issuing person	

1.4 Emergency telephone number

NCEC: (contract no.: ECKART29003-NCEC) +44 1235 239671 (Middle East/Africa, call and response in your language) +1 215 207 0061 (Americas, call and response in your language) +65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification

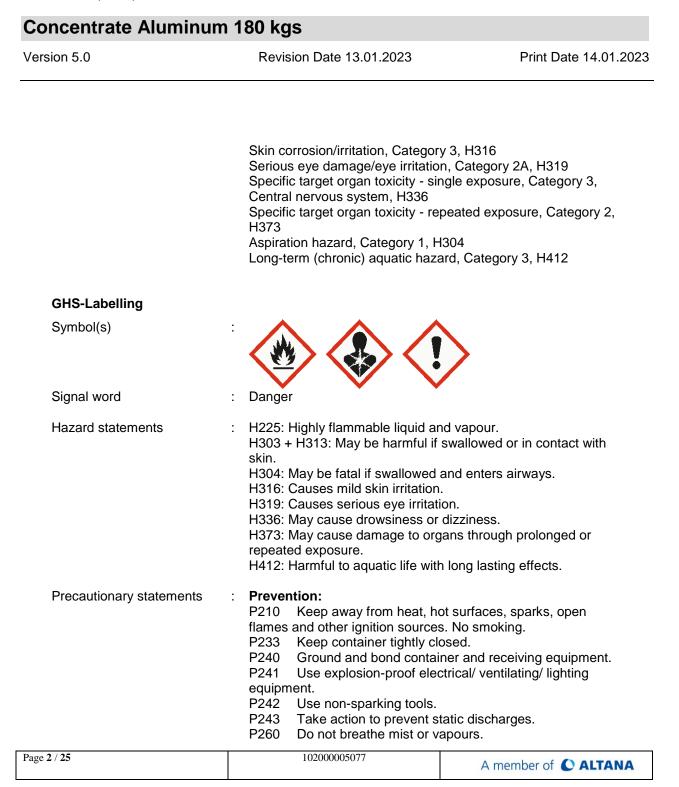
GHS Classification

: Flammable liquids, Category 2, H225 Acute toxicity, Category 5, Oral, H303 Acute toxicity, Category 5, Dermal, H313

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	 P264 Wash skin thoroughly after h P271 Use only outdoors or in a we P273 Avoid release to the environ P280 Wear protective gloves/ protection/ face protection/ hearing p 	ell-ventilated area. ment. ective clothing/ eye
	Response: P301 + P316 IF SWALLOWED: G help immediately. P303 + P361 + P353 + P317 IF C immediately all contaminated clothing Get medical help. P304 + P340 + P319 IF INHALED	et emergency medical ON SKIN (or hair): Take off g. Rinse skin with water. 9: Remove person to fresh
	water for several minutes. Remove c and easy to do. Continue rinsing. P331 Do NOT induce vomiting. P332 + P317 If skin irritation occur P337 + P317 If eye irritation persis P370 + P378 In case of fire: Use c	Rinse cautiously with contact lenses, if present
	tightly closed.	ated place. Keep container ated place. Keep cool. er to an approved waste

Hazardous components which must be listed on the label

Identification CAS-No.	
acetone 67-64-1	
Solvent naphtha (petroleum), light arom. 64742-95	5-6
n-butyl acetate 123-86-4	
Naphtha (petroleum), hydrodesulfurized 64742-82	<u>2</u> -1

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heavy	
Naphtha (petroleum), hydrotreated heavy	64742-48-9
xylene	1330-20-7

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SECTION 3: Composition/information on ingredients

Substance No.

Page

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification labelling	and	Concentration[%]
acetone	67-64-1 200-662-2	Flam. Liq.;2;H Acute Tox.;5; Acute Tox.;5; ;2A;H319 STOT SE;3;H	;H303 ;H313	25 - 50
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;I	H228	1 - 10
Solvent naphtha (petroleum), light arom.	64742-95-6 918-668-5	Flam. Liq.;3;F Acute Tox.;5; Acute Tox.;5; STOT SE;3;F H336 Asp. Tox.;1;F Aquatic Chronic;2;H4	;H303 ;H313 1335, 1304	2,5 - 10
n-butyl acetate	123-86-4 204-658-1	Flam. Liq.;3;F STOT SE;3;F		1 - 10
Naphtha (petroleum),	64742-82-1	Flam. Liq.;3;I	H226	2,5 - 10
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hydrodesulfurized heavy	265-185-4	STOT SE;3;H336 STOT RE;1;H372 Asp. Tox.;1;H304 Aquatic Chronic;2;H411	
Naphtha (petroleum), hydrotreated heavy	64742-48-9 918-481-9	Flam. Liq.;4;H227 Asp. Tox.;1;H304	1 - 10
xylene	1330-20-7 215-535-7	Flam. Liq.;3;H226 Acute Tox.;4;H332 ;2;H315 ;2A;H319 STOT SE;3;H335 STOT RE;2;H373 Asp. Tox.;1;H304	1 - 10

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

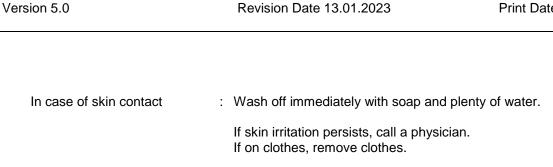
4.1 Description of first aid measures

General advice	: Move the victim to fresh air.
	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.
If inhaled	 Remove to fresh air. Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
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In case of eye contact	: Immediately flush eye(s) with plenty of water.
	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	 Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Dry sand, ABC powder, Foam
Unsuitable extinguishing media	:	High volume water jet, Carbon dioxide (CO2)

High volume water jet

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5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
5.3 Advice for firefighters		
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	 Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
	concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions	: The product should not be allowed to enter drains, water
	courses or the soil.

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Advice on protection against

fire and explosion



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	Prevent product from entering drains Prevent further leakage or spillage if If the product contaminates rivers ar respective authorities.	safe to do so.
6.3 Methods and materials for c	containment and cleaning up	
Methods for cleaning up	: Use mechanical handling equipment Soak up with inert absorbent materia acid binder, universal binder, sawdu	al (e.g. sand, silica gel,
	Contain spillage, and then collect wir absorbent material, (e.g. sand, earth vermiculite) and place in container for local / national regulations (see sect	n, diatomaceous earth, or disposal according to
6.4 Reference to other sections		
For personal protection see	section 8.	
SECTION 7: Handling and st	orage	
7.1 Precautions for safe handlin	ng	
Advice on safe handling	afe handling : Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited	

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surfaces and sources of ignition.

local and national regulations.

in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with

: Do not spray on a naked flame or any incandescent material.

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot

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Hygiene measures	: When using do not eat or drink. Whe Wash hands before breaks and at th		
7.2 Conditions for safe storage,	including any incompatibilities		
Requirements for storage areas and containers	Earthing of containers and apparatuses is essential. Reaction with water liberates extremely flammable gas (hydrogen) Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.		
	No smoking. Keep container tightly of ventilated place. Containers which a carefully resealed and kept upright to Observe label precautions. Electrical materials must comply with the techr standards.	re opened must be o prevent leakage. I installations / working	
Further information on storage conditions	: Protect from humidity and water.		
Advice on common storage	: Do not store near acids. Do not store and self-igniting products. Never allo contact with water during storage. Ke agents, strongly alkaline and strongly avoid exothermic reactions.	w product to get in eep away from oxidizing	
Other data	: No decomposition if stored and appli	ied as directed.	

7.3 Specific end use(s)

This information is not available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis		
acetone	67-64-1	TWA	500 ppm 1 210 mg/m3	2000-06-16	2000/39/EC		
Further inform	ation	Indicative	Indicative				
acetone	67-64-1	AGW	AGW 500 ppm 2015-03-02 1 200 mg/m3		DE TRGS 900		
Peak-limit: exc factor (catego		2;(I)			1		
Further information		Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).European Union (The EU has established a limit value: deviations in value and peak limit are possible)When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child					
aluminium	7429-90-5	AGW (Inhalable 10 mg/m3 2021-07-02 DE TRGS fraction)		DE TRGS 900			
	Peak-limit: excursion factor (category)			1			
Further inform	Further information		ompliance with the no risk of harming t		cal tolerance		
aluminium	7429-90-5	AGW (Alveolate 1,25 mg/m3 2021-07-02 DE TR fraction)		DE TRGS 900			
Peak-limit: excursion factor (category)		2;(II)	•	·			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child					
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Solvent naphtha (petroleum), light arom.	64742-95- 6	AGW	100 mg/m3	2009-02-16	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation		e limit for hydrocarb hission for dangerous 00		e also No. 2.9
n-butyl acetate	123-86-4	AGW	62 ppm 300 mg/m3	2012-09-13	DE TRGS 900
Peak-limit: exc factor (categor		2;(I)			
Further information			r dangerous substar nd biological toleran born child		
n-butyl acetate	123-86-4	STEL	150 ppm 723 mg/m3	2019-10-31	2019/1831/EU
Further inform	ation	Indicative			
n-butyl acetate	123-86-4	TWA	50 ppm 241 mg/m3	2019-10-31	2019/1831/El
Further inform	ation	Indicative	1		
Naphtha (petroleum), hydrotreated heavy	64742-48- 9	AGW	300 mg/m3	2017-11-30	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			•
Further information		Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. of the TRGS 900		e also No. 2.9	
xylene	1330-20-7	TWA	50 ppm 221 mg/m3	2000-06-16	2000/39/EC
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Further information		Identifies the pos skinIndicative	Identifies the possibility of significant uptake through the skinIndicative				
xylene	1330-20-7	STEL	100 ppm 442 mg/m3	2000-06-16	2000/39/EC		
Further information		Identifies the possibility of significant uptake through the skinIndicative					
xylene	1330-20-7	AGW	50 ppm 220 mg/m3	2020-10-02	DE TRGS 900		
Peak-limit: excursion factor (category)		2;(II)					
Further information		Skin absorption					

8.2 Exposure controls

Personal protective equipme Eye protection	ent :	Goggles	
	:	Tightly fitting safety goggles Wear face-shield and protective problems.	e suit for abnormal processing
Hand protection			
Material	:	Solvent-resistant gloves (butyl-	rubber)
Remarks	:	Take note of the information giv permeability and break through workplace conditions (mechanic	times, and of special cal strain, duration of contact).
		The exact break through time c protective glove producer and t	
		Please observe the instructions	regarding permeability and
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	breakthrough time which are p	rovided by the supplier of the
	gloves. Also take into consider conditions under which the pro danger of cuts, abrasion, and t	ation the specific local oduct is used, such as the
	Recommended preventive skir	n protection
	Skin should be washed after c	ontact.
	The suitability for a specific wo with the producers of the prote	•
	: The suitability for a specific wo with the producers of the prote	
Skin and body protection	: Impervious clothing	
	Choose body protection accord concentration of the dangerous	
Respiratory protection	: Use suitable breathing protecti requires.	ion if workplace concentration
	: In the case of vapour formation approved filter.	n use a respirator with an
Environmental exposure c	ontrols	
General advice	: The product should not be allo courses or the soil.	wed to enter drains, water
	: Prevent product from entering Prevent further leakage or spil	lage if safe to do so.
	If the product contaminates riv respective authorities.	ers and lakes or drains inform

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	No data available
Odour	:	characteristic
рН	:	substance/mixture is non-soluble (in water)
Freezing point	:	No data available
Boiling point/boiling range	:	55 °C
Flash point	:	-19 °C
Bulk density	:	No data available
Flammability (solid, gas)		No data available
Auto-flammability	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Density	:	ca. 0,88 g/cm3
Solubility(ies)		
Water solubility	:	partly miscible
Miscibility with water	:	immiscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Thermal decomposition	:	No data available

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Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: 11 - 14 s at 20 °C Cross section: 4 mm Method: DIN 53211

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

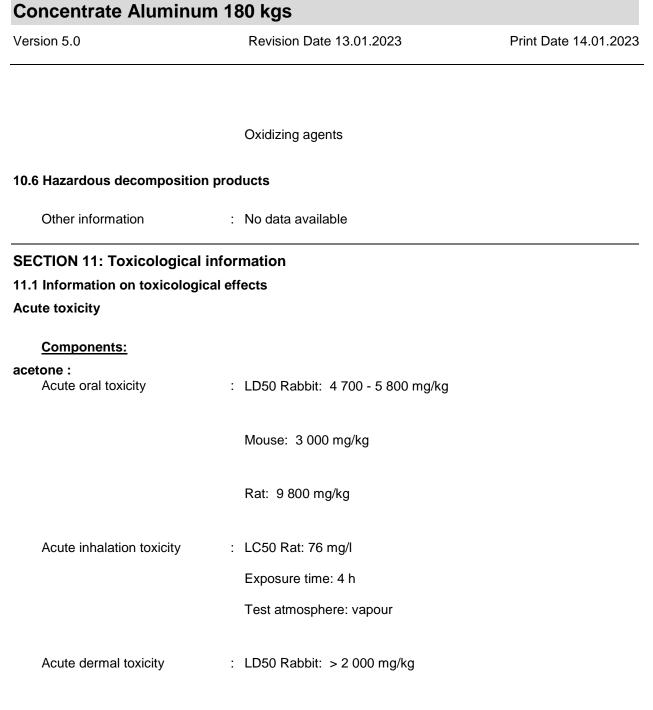
Hazardous reactions	:	: Contact with acids and alkalis may release hydrogen.	
		No decomposition if stored and applied as directed.	
		Vapours may form explosive mixture with air.	
10.4 Conditions to avoid			
Conditions to avoid	:	Do not allow evaporation to dryness.	
		Heat, flames and sparks.	
10.5 Incompatible materials			

Materials to avoid

: Acids Bases

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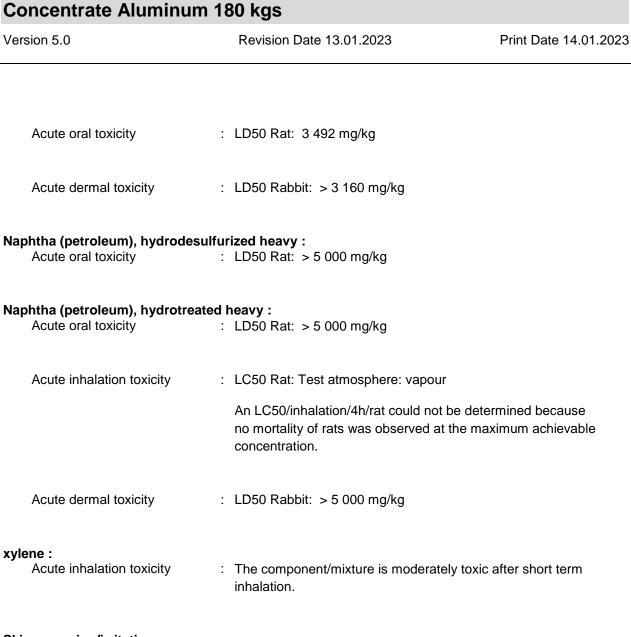


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Solvent naphtha (petroleum), light arom. :

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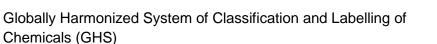
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Skin corrosion/irritation

Product

May cause skin irritation and/or dermatitis.

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Serious eye damage/eye irritation

Product

May cause irreversible eye damage.

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product

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Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Components:

acetone (67-64-1) :

Toxicity to daphnia and other	: (Daphnia magna (Water flea)): 21 600 mg/l
aquatic invertebrates	
Solvent naphtha (petroleum)	, light arom. (64742-95-6) :
Ecotoxicology Assessment	
Long-term (chronic) aquatic hazard	: Toxic to aquatic life with long lasting effects.

Naphtha (petroleum), hydrodesulfurized heavy (64742-82-1) :

Ecotoxicology Assessment

Long-term (chronic) aquatic : Toxic to aquatic life with long lasting effects. hazard

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Product:

Additional ecological	: An environmental hazard cannot be excluded in the event of
information	unprofessional handling or disposal., Harmful to aquatic life
	with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

14.1 UN number		
ADR	: 1263	
TDG	: 1263	
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CFR	. 4000	
IMDG	: 1263 : 1263	
IATA	: 1263	
	. 1200	
14.2 Proper shipping name ADR	: PAINT	
TDG	: PAINT	
CFR	: PAINT	
IMDG IATA	: PAINT	
	: PAINT	
14.3 Transport hazard class		
ADR	: 3	
TDG	: 3	
CFR	: 3	
IMDG	: 3	
ΙΑΤΑ	: 3	
14.4 Packing group		
ADR		
Packaging group	: 11	
Classification Code	: F1	
Hazard Identification Number	: 33	
Labels	: 3	
Tunnel restriction code	: (D/E)	
TDG		
Packaging group	: 11	
Labels	: 3	
CFR		

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Packaging group	: 11	

r donaging group	•	
Labels	:	3
IMDG		
Packaging group	:	П
Labels	:	3
ΙΑΤΑ		
Packing instruction (cargo aircraft)	:	364
Packing instruction (passenger aircraft)	:	353
Packing instruction (LQ)	:	Y341
Packaging group	:	П
Labels	:	3

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High : Not applicable Concern for Authorisation (Article 59).

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REACH - List of substances sub (Annex XIV)	pject to authorisation	:	Not applicable	
Regulation (EC) No 1005/2009 deplete the ozone layer	on substances that	:	Not applicable	
Regulation (EU) 2019/1021 on pollutants (recast)	persistent organic	:	Not applicable	
REACH - Restrictions on the mathematic the market and use of certain date mixtures and articles (Annex X)	angerous substances,	:		
REACH - Restrictions on the mathe market and use of certain da mixtures and articles (Annex XV	angerous substances,	:	arom.) (n-butyl acetate) (naphtha (petrole hydrodesulphuriz boiling point hydr naphtha)	er (stabilised)) (petroleum), light eum), ed heavy; Low rogen treated eum), hydrotreated

15.2 Chemical safety assessment

No data available

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SECTION 16: Other information

H225: Highly flammable liquid and vapour.H226: Flammable liquid and vapour.H227: Combustible liquid.H228: Flammable solid.H303: May be harmful if swallowed.H303 + H313: May be harmful if swallowed or in contact with skin.H304: May be fatal if swallowed and enters airways.H313: May be harmful in contact with skin.H314: May be harmful in contact with skin.H315: Causes skin irritation.H316: Causes serious eye irritation.H317: May cause respiratory irritation.H318: May cause drowsiness or dizziness.H319: Causes damage to organs through prolonged or repeated exposure.H373: May cause damage to organs through prolonged or repeated exposure.H411: Toxic to aquatic life with long lasting effects.H412: Harmful to aquatic life with long lasting effects.	Full text of H-Statements		
H226: Flammable liquid and vapour.H227: Combustible liquid.H228: Flammable solid.H303: May be harmful if swallowed.H303 + H313: May be harmful if swallowed or in contact with skin.H304: May be fatal if swallowed and enters airways.H313: May be harmful in contact with skin.H314: May be harmful in contact with skin.H315: Causes skin irritation.H316: Causes mild skin irritation.H319: Causes serious eye irritation.H332: Harmful if inhaled.H335: May cause respiratory irritation.H336: May cause drowsiness or dizziness.H372: Causes damage to organs through prolonged or repeated exposure.H373: May cause damage to organs through prolonged or repeated exposure.H411: Toxic to aquatic life with long lasting effects.	H225	:	Highly flammable liquid and vapour.
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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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Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Concentrate Aluminum 180 kgs

Version 5.0

Revision Date 13.01.2023

Print Date 14.01.2023

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