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

METALURE Prismatic H-50720 AE

Version 2.0

Revision Date 09.12.2019

Print Date 30.11.2024

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

1.1 Product identifier

Trade name	:	METALURE Prismatic H-50720 AE
Material number	:	022357IA0

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 Serious eye damage/eye irritation, Category 2A, H319 Specific target organ toxicity - single exposure, Category 3,

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rsion 2.0	R	evision Date 09.12.2019	Print Date 30.11.202
	Cer	ntral nervous system, H336	
GHS-Labelling			
Symbol(s)			
Signal word	: Dai	nger	
Hazard statements	H3 ⁻	25: Highly flammable liquid and vap 19: Causes serious eye irritation. 36: May cause drowsiness or dizzir	
Precautionary statements	P2 flar P20 P20 P20 Res P30 imr P30	nes and other ignition sources. No Keep container tightly closed. Avoid breathing dust/fume/gr Wear protective gloves/eye p sponse:	smoking. as/ mist/ vapours/ spray. protection/ face protection. or hair): Take off . Rinse skin with water.
Hazardous components w	hich mu		
Identification ethyl acetate		CAS-No. 141-78-6	
acetone		67-64-1	

SECTION 3: Composition/information on ingredients

:

Substance No.

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Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
ethyl acetate	141-78-6 205-500-4	Flam. Liq.;2;H225 Eye Irrit.;2A;H319 STOT SE;3;H336	50 - 100
aluminium powder (stabilised)	7429-90-5 231-072-3	Flam. Sol.;1;H228	1 - 10
acetone	67-64-1 200-662-2	Flam. Liq.;2;H225 Eye Irrit.;2A;H319 STOT SE;3;H336	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 If inhaled In case of skin contact In case of eye contact	 Move the victim to fresh air. Do not leave the victim unattend Move out of dangerous area. Show this safety data sheet to solve Consult a physician after signif If unconscious, place in recove advice. Wash off immediately with soal If on skin, rinse well with water. If on clothes, remove clothes. Immediately flush eye(s) with p Immediately flush eye(s) with p Remove contact lenses. 	the doctor in attendance. icant exposure. ry position and seek medical p and plenty of water. lenty of water.
	Keep eye wide open while rinsi	ng.
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If swallowed :	If eye irritation persists, consult a specialist. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconsu	
	If symptoms persist, call a physician.	

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
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.

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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.

6.2 Environmental precautions

Environmental precautions	: Prevent product from entering drains.
	Prevent further leakage or spillage if safe to do so.
	If the product contaminates rivers and lakes or drains inform
	respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	 Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not flush with water.
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6.4 Reference to other sections

For personal protection see section 8.

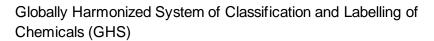
SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol. Do not breathe vapours/dust.

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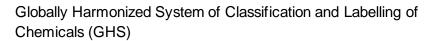
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Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static 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 local and national regulations. Advice on protection against : Do not spray on a naked flame or any incandescent material. fire and explosion 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 surfaces and sources of ignition. : When using do not eat or drink. When using do not smoke. Hygiene measures

Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	: Earthing of containers and appa with water liberates extremely f measures to prevent the build u explosion-proof equipment. Sto containers tightly closed in a co away from sources of ignition - closed when not in use.	lammable gas (hydrogen) Take up of electrostatic charge. Use ore in original container. Keep ol, well-ventilated place. Keep No smoking. Keep container
	No smoking. Keep container tig ventilated place. Containers wh carefully resealed and kept upri Electrical installations / working the technological safety standa	ich are opened must be ght to prevent leakage. materials must comply with
Further information on storage conditions	: Protect from humidity and water	r.
Advice on common storage	: Do not store near acids. Do not and self-igniting products. Neve	
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	a successful the successful and a successful to the successful to	

contact with water during storage. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Other data

: No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

	Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis	
	ethyl acetate	141-78-6	AGW	200 ppm 730 mg/m3	2017-06-08	DE TRGS 900	
	Peak-limit: exc factor (categor		2;(l)				
	Further information		place dangerous Union (The EU I and peak limit a	sion for the review of s for the health (MA has established a lir re possible)When th ical tolerance values	K-commission). mit value: deviat here is complian	European ions in value ce with the	
	ethyl acetate	141-78-6	STEL	400 ppm 1 468 mg/m3	2017-02-01	2017/164/EU	
	Further inform	ation	Indicative				
	ethyl acetate	141-78-6	TWA	200 ppm 734 mg/m3	2017-02-01	2017/164/EU	
	Further information		Indicative				
	aluminium	7429-90-5	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900	
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powder (stabilised) Peak-limit: exc	ursion	2;(II)				
factor (categor	у)					
Further information		review of compo	Commission for dangerous substances Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900	
Peak-limit: exc factor (categor		2;(II)				
Further information		Commission for dangerous substances Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).				
acetone	67-64-1	TWA	500 ppm 1 210 mg/m3	2000-06-16	2000/39/EC	
Further inform	ation	Indicative				
acetone	67-64-1	AGW	500 ppm 1 200 mg/m3	2015-03-02	DE TRGS 900	
	Peak-limit: excursion factor (category)		2;(l)			
Further information		review of compo (MAK-commissi limit value: devia there is complia	dangerous substan ounds at the work pl on).European Unior ations in value and p nce with the OEL ar of harming the unbo	lace dangerous f n (The EU has e beak limit are po nd biological tolo	for the health stablished a ssible)When	

United States of America (USA):

	Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
	ethyl acetate	141-78-6	TWA	400 ppm	2013-03-01	
	ethyl acetate	141-78-6	TWA	400 ppm	2007-01-01	
	ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	2013-10-08	
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ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	2005-09-01
ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	1997-08-04
ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	1997-08-04
ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	1989-01-19
ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	1989-01-19
ethyl acetate	141-78-6	PEL	400 ppm 1 400 mg/m3	2014-11-26
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01
aluminium powder (stabilised)	7429-90-5	TWA (Respirable)	5 mg/m3	2013-10-08
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01
aluminium powder (stabilised)	7429-90-5	TWA (total)	10 mg/m3	2013-10-08
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2012-07-01
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01
aluminium powder (stabilised)	7429-90-5	PEL (Total dust)	10 mg/m3	2014-11-26
aluminium powder (stabilised)	7429-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26
aluminium powder (stabilised)	7429-90-5	TWA (Respirable fraction)	1 mg/m3	2008-01-01

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aluminium powder (stabilised)	7429-90-5	TWA	5 mg/m3	2005-09-01	
aluminium powder (stabilised)	7429-90-5	TWA (Total)	15 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2011-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (Total dust)	15 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (respirable dust fraction)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	TWA (welding fumes)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (pyro powders)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable fraction)	1 mg/m3	2013-03-01	
aluminium powder (stabilised)	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19	
aluminium powder (stabilised)	7429-90-5	PEL (Welding fumes)	5 mg/m3	2017-10-02	
aluminium powder	7429-90-5	PEL (Pyro powders)	5 mg/m3	2017-10-02	
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(stabilised)				
acetone	67-64-1	TWA	500 ppm	2007-01-01
acetone	67-64-1	STEL	750 ppm	2007-01-01
acetone	67-64-1	TWA	250 ppm 590 mg/m3	2005-09-01
acetone	67-64-1	TWA	1 000 ppm 2 400 mg/m3	1997-08-04
acetone	67-64-1	TWA	750 ppm 1 800 mg/m3	1989-01-19
acetone	67-64-1	STEL	1 000 ppm 2 400 mg/m3	1989-01-19

United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
ethyl acetate	141-78-6	TWA	400 ppm	2013-03-01	
ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	2013-10-08	
ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	1997-08-04	
ethyl acetate	141-78-6	TWA	400 ppm 1 400 mg/m3	1989-01-19	
ethyl acetate	141-78-6	PEL	400 ppm 1 400 mg/m3	2014-11-26	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (Respirable)	5 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (total dust)	15 mg/m3	2012-07-01	
aluminium powder (stabilised)	7429-90-5	TWA (total)	10 mg/m3	2013-10-08	
aluminium powder (stabilised)	7429-90-5	TWA (respirable fraction)	5 mg/m3	2012-07-01	
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aluminium 7429 powder (stabilised)	9-90-5	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01
aluminium 7429 powder (stabilised)	9-90-5	PEL (Total dust)	10 mg/m3	2014-11-26
aluminium 7429 powder (stabilised)	9-90-5	PEL (respirable dust fraction)	5 mg/m3	2014-11-26
aluminium 7429 powder (stabilised)	9-90-5	TWA (Respirable fraction)	1 mg/m3	2008-01-01
aluminium 7429 powder (stabilised)	9-90-5	TWA	5 mg/m3	2005-09-01
aluminium 7429 powder (stabilised)	9-90-5	TWA (Total)	15 mg/m3	1989-01-19
aluminium 7429 powder (stabilised)	9-90-5	TWA (Respirable fraction)	5 mg/m3	1989-01-19
aluminium 7429 powder (stabilised)	9-90-5	TWA (total dust)	15 mg/m3	2011-07-01
aluminium 7429 powder (stabilised)	9-90-5	TWA (respirable fraction)	5 mg/m3	2011-07-01
aluminium 7429 powder (stabilised)	9-90-5	TWA (Total dust)	15 mg/m3	1989-01-19
aluminium 7429 powder (stabilised)	9-90-5	TWA (respirable dust fraction)	5 mg/m3	1989-01-19
aluminium 7429 powder (stabilised)	9-90-5	TWA (welding fumes)	5 mg/m3	2013-10-08
aluminium 7429 powder	9-90-5	TWA (pyro powders)	5 mg/m3	2013-10-08
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(stabilised)					
aluminium	7429-90-5	TWA	1 mg/m3	2013-03-01	
powder		(Respirable fraction)			
(stabilised)		,			
aluminium	7429-90-5	TWA (Fumes)	5 mg/m3	1989-01-19	
powder					
(stabilised)					
aluminium	7429-90-5	PEL (Welding	5 mg/m3	2017-10-02	
powder		fumes)			
(stabilised)					
aluminium	7429-90-5	PEL (Pyro	5 mg/m3	2017-10-02	
powder		powders)			
(stabilised)					
acetone	67-64-1	TWA	250 ppm	2016-03-01	
acetone	67-64-1	STEL	500 ppm	2016-03-01	
acetone	67-64-1	TWA	250 ppm	2013-10-08	
			590 mg/m3		
acetone	67-64-1	TWA	1 000 ppm	1997-08-04	
	07.04.4		2 400 mg/m3	4000.04.40	
acetone	67-64-1	TWA	750 ppm 1 800 mg/m3	1989-01-19	
acetone	67-64-1	STEL	1 000 ppm	1989-01-19	
acetone	07-04-1	OTEL	2 400 mg/m3	1000 01 10	
acetone	67-64-1	STEL	750 ppm	2014-11-26	
			1 780 mg/m3		
acetone	67-64-1	С	3 000 ppm	2014-11-26	
acetone	67-64-1	PEL	500 ppm	2014-11-26	
			1 200 mg/m3		

8.2 Exposure controls

Personal protective equipment

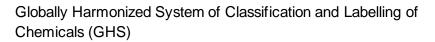
Eye protection

: Goggles

: Wear face-shield and protective suit for abnormal processing problems.

Hand protection

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Material	: Solvent-resistant gloves (butyl-ru	bber)
Remarks	 Take note of the information give permeability and break through ti workplace conditions (mechanica The exact break through time car protective glove producer and this 	mes, and of special Il strain, duration of contact). In be obtained from the
	Please observe the instructions re breakthrough time which are prov gloves. Also take into considerati conditions under which the produ danger of cuts, abrasion, and the	egarding permeability and vided by the supplier of the on the specific local uct is used, such as the
	Recommended preventive skin p	rotection
	Skin should be washed after cont	
	The suitability for a specific work with the producers of the protecti	•
	: The suitability for a specific work with the producers of the protecti	•
Skin and body protection	: Choose body protection accordin concentration of the dangerous s	-
Respiratory protection	: Use suitable breathing protection requires.	if workplace concentration
	: In the case of vapour formation u approved filter.	ise a respirator with an
Environmental exposure c General advice	ontrols :	
	 Prevent product from entering dra Prevent further leakage or spillag If the product contaminates rivers respective authorities. 	je if safe to do so.
Water	: The product should not be allowe courses or the soil.	ed to enter drains, water

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	silver
Odour	:	characteristic
рН	:	No data available
Freezing point	:	No data available
Boiling point/boiling range	:	56 - 78 °C
Flash point	:	-4 °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	:	1,08 g/cm3
Water solubility	:	No data available
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
Viscosity, dynamic	:	No data available

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Viscosity, kinematic Flow time : No data available

: No data available

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.
	Stable under recommended storage conditions.
	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

Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition	: No data available
products	

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Other information

: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

Product

May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Product

Eye irritation

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

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STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product

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

No data available

12.2 Persistence and degradability

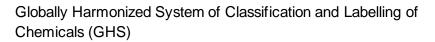
No data available

12.3 Bioaccumulative potential

No data available

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12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Product:

Additional ecological : No data available information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.
Contaminated packaging	Send to a licensed waste management company. In accordance with local and national regulations. : 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. In accordance with local and national regulations.

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SECTION 14: Transport inform	nation
14.1 UN number	
ADR	: 1263
TDG	: 1263
CFR	: 1263
IMDG	: 1263
ΙΑΤΑ	: 1263
14.2 Proper shipping name	
ADR	: PAINT
TDG	: PAINT
CFR	: PAINT
IMDG	: PAINT Classified according to 2.3.2.2 IMDG-Code
ΙΑΤΑ	: PAINT classified according to 3.3.3.1 IATA-DGR
14.3 Transport hazard class	
ADR	: 3
TDG	: 3
CFR	: 3
IMDG	: 3
ΙΑΤΑ	: 3
14.4 Packing group	
ADR	
Packaging group	: 111
Classification Code	: F1
Hazard Identification Number	: 33
Labels	: 3
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Tunnel restriction code	:	(D/E)
TDG		
Packaging group	:	III
Labels	:	3
CFR		
Packaging group	:	III
Labels	:	3
IMDG		
Packaging group	:	III
Labels	:	3
EmS Number	:	F-E, S-E
ΙΑΤΑ		
Packing instruction (cargo aircraft)	:	366
Packing instruction (passenger aircraft)	:	355
Packing instruction (LQ)	:	Y344
Packaging group	:	Ш
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

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SECTION 15: Regulatory information

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

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

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

H228 : H319 :	Highly flammable liquid and vapour. Flammable solid. Causes serious eye irritation.
H336 :	May cause drowsiness or dizziness.

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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