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

Titanium powder ASTM Gd2 45-100 µm

Version 1.0	Revision Date 25.10.2023	Print Date 27.11.2024

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

1.1 Product identifier

Trade name	: Titanium powder ASTM Gd2 45-100 μm
Material number	: 031240UD0

Substance No.	:	CAS-No.	:	7440-32-6
		EINECS-No.	:	231-142-3

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 TLS GmbH	
	PC-Straße 5	
	06749 Bitterfeld-Wolfen	
	Germany	
Telephone	: +493493929590	
Telefax	: +4934939295999	
E-mail address	info.eckart.tls@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)

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SECTION 2: Hazards identification

GHS Classification

Not a hazardous substance or mixture.

GHS-Labelling

Not a hazardous substance or mixture.

Hazardous components which must be listed on the label

Other hazards which do not result in classification

Combustible Solids

SECTION 3: Composition/information on ingredients

 Substance No.
 :
 CAS-No.
 :
 7440-32-6

 EINECS-No.
 :
 231-142-3

No hazardous ingredientsFor 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. Do not leave the victim unattend	ded.
If inhaled	 If unconscious, place in recover advice. If symptoms persist, call a physical structure 	
In case of skin contact In case of eye contact	: Wash off immediately with soap : Remove contact lenses.	
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If swallowed	If eye irritation persists, consult a spect : Keep respiratory tract clear. Do not give milk or alcoholic beverage Never give anything by mouth to an u	es.

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, Special powder against metal fire Unsuitable extinguishing : ABC powder, Carbon dioxide (CO2), Foam, Water media 5.2 Special hazards arising from the substance or mixture Specific hazards during : Contact with water liberates extremely flammable gas firefighting (hydrogen). 5.3 Advice for firefighters Special protective equipment : Wear self-contained breathing apparatus for firefighting if for firefighters necessary. Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the

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surrounding environment.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Use personal protective equipment. Evacuate personnel to safe areas. Avoid dust formation.
	Avolu dust formation.

6.2 Environmental precautions

General advice :	The product should not be allowed to enter drains, water
	courses or the soil.
	No special environmental precautions required.
This information is not available	

This information is not available.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Use mechanical handling equipment.
	Do not use a vacuum cleaner.
	Pick up and arrange disposal without creating dust.
	Sweep up and shovel.
	Keep in suitable, closed containers for disposal.

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	0	creating dust. Routine housekeeping should be ed to ensure that dusts do not accumulate on surfaces. away from heat.	
	For personal protection see see drinking should be prohibited ir		
Advice on protection against	: Use explosion-proof equipmen	t. During processing, dust may	
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fire and explosion		form explosive mixture in air. Take measure build up of electrostatic charge. When trans container to another apply earthing measur conductive hose material.	sferring from one
		Provide appropriate exhaust ventilation at p is formed.	places where dust
Hygiene measures	:	General industrial hygiene practice.	
7.2 Conditions for safe storage, i	incl	luding any incompatibilities	
Requirements for storage areas and containers	:	Earthing of containers and apparatuses is e with water liberates extremely flammable g explosion-proof equipment. Store in origina away from sources of ignition - No smoking closed when not in use.	as (hydrogen) Use I container. Keep
		Electrical installations / working materials m the technological safety standards.	nust comply with
Further information on storage conditions	:	Protect from humidity and water.	
Advice on common storage	:	Do not store together with oxidizing and se Never allow product to get in contact with v storage. Keep away from oxidizing agents, and strongly acid materials in order to avoid reactions.	vater during strongly alkaline
		No materials to be especially mentioned.	
Other data	:	No decomposition if stored and applied 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

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipm	ent			
Eye protection	:	Face-shield		
	:	Safety glasses		
Hand protection				
Material	:	Leather		
Glove length	:	Long sleeve gloves		
Remarks	:	Leather gloves		
		The choice of an appropriate gli its material but also on other qui from one producer to the other.	ality features and is different	
Skin and body protection	:	Anti-static and fire resistant protective clothing. DIN EN 11612; EN 533; EN 1149-1. Anti-static safety shoes.		
	:	Protective suit		
Respiratory protection	:	Use suitable breathing protection if workplace concentration requires.		
		Breathing apparatus with filter.		
		P1 filter		
	:	No personal respiratory protect required.	ive equipment normally	
Environmental exposure co	ntro	ls		
General advice	:	The product should not be allow courses or the soil.	wed to enter drains, water	
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: No special environmental precautions required.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: granular
Colour	: silver
Odour	: characteristic
рН	: substance/mixture is non-soluble (in water)
Freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: No data available
Bulk density	: No data available
Flammability (solid, gas)	: Combustible Solids
	· No dete essellation
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: 4,5 g/cm3 (25 °C)
Solubility(ico)	
Solubility(ies)	
Water solubility	: insoluble
Miscibility with water	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available

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Thermal decomposition	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	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.

Dust may form explosive mixture in air.

10.4 Conditions to avoid

Conditions to avoid 10.5 Incompatible materials	: No data available
Materials to avoid	: Acids Bases Oxidizing agents Water

10.6 Hazardous decomposition 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

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

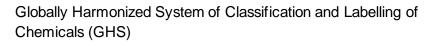
No data available

STOT - single exposure

No data available

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STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product

No data available

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

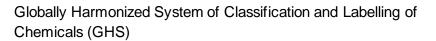
12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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No data available

12.6 Other adverse effects

Product:

Additional ecological : No data available information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

SECTION 14: Transport information

14.1 UN number

ADR Not dangerous goods TDG Not dangerous goods CFR Not dangerous goods IMDG Not dangerous goods IATA

Not dangerous goods

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14.2 Proper shipping name

ADR
Not dangerous goods
TDG
Not dangerous goods
CFR
Not dangerous goods
IMDG
Not dangerous goods
ΑΤΑ
Not dangerous goods
14.3 Transport hazard class
ADR
Not dangerous goods
TDG
Not dangerous goods
CFR
Not dangerous goods
IMDG
Not dangerous goods
ΙΑΤΑ
Not dangerous goods
14.4 Packing group
ADR
Not dangerous goods
TDG

Not dangerous goods

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CFR

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

14.5 Environmental hazards

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

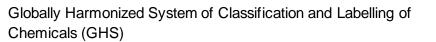
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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). REACH - List of substances subject to authorisation : Not applicable (Annex XIV) Regulation (EC) No 1005/2009 on substances that : Not applicable deplete the ozone layer Regulation (EU) 2019/1021 on persistent organic : Not applicable pollutants (recast) REACH - Restrictions on the manufacture, placing on : Not applicable the market and use of certain dangerous substances, mixtures and articles (Annex XVII) Page 13 / 14 102000036906 A member of **C ALTANA**



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15.2 Chemical safety assessment

No data available

SECTION 16: Other information

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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