otto chemie pvt ltd

An ISO 9001 : 2015 & GMP Certified Company 101, Aarkay Ruby Industrial Estate (1B), Opp Shree Narayan Industrial Estate, Chinchpada, Vasai East, Waliv, Maharashtra 401208. Tel : + 91 98200 41841 Email : info@ottokemi.com Web : www.ottokemi.com

Creation Date: 25-03-2025

Revision Date: 10-08-2030

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1. Product identifiers Product name: Dysprosium nitrate, 99.9% Product Code: D 2681

CAS No: 10031-49-9

1.2. Relevant identified uses of the substance or mixture and uses advised against Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet Company identification OTTO CHEMIE PVT LTD 101, Aarkay Ruby Industrial Estate(1B), Opp Shree Narayan Industrial Estate, Chinchpada, Vasai East, Waliv, Maharashtra 401208. Email info@ottokemi.com

1.4. Emergency telephone number Phone no. : + 91 22 2207 0099 (9:00am - 6:00 pm).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Oxidizing solids (Category 2), H272 Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335 For the full text of the H-Statements mentioned in this Section, see Section 16. 2.2 Label elements Labelling according Regulation (EC) No 1272/2008 Pictogram Signal Word Danger Hazard statement(s) May intensify fire; oxidizer. H272 H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statement(s) P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing and other combustible materials. P220 P261 Avoid breathing dust. Wash skin thoroughly after handling. P264 IF ON SKIN: Wash with plenty of water. P302 + P352 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Supplemental Hazard none Statements Reduced Labeling (<= 125 ml) Pictogram Signal Word Danger Hazard statement(s) none Precautionary none statement(s)

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Statements

Supplemental Hazard

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none

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

: DyN3O9 · xH2O
: 348,51 g/mol
: 10031-49-9
: 233-410-5

Component	Classification	Concentration
Dysprosium(III) nitrate hydrate		
CAS-No. 10031-49-9	Ox. Sol. 2; Skin Irrit. 2; Eye Irrit. 2; STOT	<= 100 %
EC-No. 233-410-5	SE 3; H272, H315, H319, H335	

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

SECTION 4: First aid measures

SECTION 4. First and measures
4.1 Description of first-aid measures
General advice
Show this material safety data sheet to the doctor in attendance.
If inhaled
After inhalation: fresh air.
In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with
water/ shower.
In case of eye contact
After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact
lenses.
If swallowed
After swallowing: immediately make victim drink water (two glasses at most). Consult a
physician.
4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section
2.2) and/or in section 11
4.3 Indication of any immediate medical attention and special treatment needed
No data available
SECTION 5: Firefighting measures
5.1 Extinguishing media
Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the
surrounding environment.
Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.
5.2 Special hazards arising from the substance or mixture
Nitrogen oxides (NOx)
Metal oxides
Not combustible.
Has a fire-promoting effect due to release of oxygen.
Ambient fire may liberate hazardous vapours.
5.3 Advice for firefighters
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by
keeping a safe distance or by wearing suitable protective clothing.
5.4 Further information
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire
extinguishing water from contaminating surface water or the ground water system.
oxanguloning water non-containing surface water of the ground water system.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8. 6.2 Environmental precautions Do not let product enter drains. 6.3 Methods and materials for containment and cleaning up Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. 6.4 Reference to other sections For disposal see section 13. **SECTION 7: Handling and storage** 7.1 Precautions for safe handling Advice on protection against fire and explosion Keep away from open flames, hot surfaces and sources of ignition. Hygiene measures Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2. 7.2 Conditions for safe storage, including any incompatibilities Storage conditions Tightly closed. Do not store near combustible materials. hygroscopic Storage class Storage class (TRGS 510): 5.1B: Oxidizing hazardous materials 7.3 Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated **SECTION 8: Exposure controls/personal protection** 8.1 Control parameters Ingredients with workplace control parameters 8.2 Exposure controls Personal protective equipment Eve/face protection Use equipment for eve protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses Body Protection protective clothing Respiratory protection required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2 The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. Control of environmental exposure Do not let product enter drains. **SECTION 9: Physical and chemical properties** 9.1 Information on basic physical and chemical properties a) Physical state

a) Physical state
b) Color
c) Odor
d) Melting
point/freezing point

Crystals with lumps No data available No data available No data available

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e) Initial boiling point and boiling range f) Flammability (solid, gas) g) Upper/lower flammability or explosive limits h) Flash point i) Autoignition temperature j) Decomposition temperature k) pH l) Viscosity

m) Water solubility n) Partition coefficient: n-octanol/water o) Vapor pressure p) Density Relative density q) Relative vapor density r) Particle characteristics s) Explosive properties t) Oxidizing properties

9.2 Other safety information No data available

SECTION 10: Stability and reactivity

10.1 Reactivity No data available 10.2 Chemical stability The product is chemically stable under standard ambient conditions (room temperature) . 10.3 Possibility of hazardous reactions No data available 10.4 Conditions to avoid no information available 10.5 Incompatible materials Strong reducing agents, Strong acids 10.6 Hazardous decomposition products In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Toxicity to Animals: Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Rabbit: 2000mg/kg Inhalation LC50 Rat: > 50mg/L. Chronic Effects on Humans: CARCINOGENIC EFFECTS: Classified None. by NTP, None. by OSHA, None. by NIOSH. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of inhalation (lung irritant). Special Remarks on Toxicity to Animals: Not available. Special Remarks on Chronic Effects on Humans: Not available. Special Remarks on other Toxic Effects on Humans: Not available.

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No data available

No data available

No data available

Not applicable No data available

No data available

No data available Viscosity, kinematic: No data available Viscosity, dynamic: No data available No data available No data available

No data available No data available No data available No data available

No data available

No data available The substance or mixture is classified as oxidizing with the category 2.

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SECTION 12: Ecological information

	ological information					
12.1 Toxicity						
No data available 12.2 Persistence a	and de une de la litter					
No data available						
	tive potential					
12.3 Bioaccumulat No data available	live potential					
12.4 Mobility in so	11					
No data available	T and VDVD accomment					
	3T and vPvB assessment exture contains no components considered	d to be either perciptent				
	nd toxic (PBT), or very persistent and ver					
levels of 0.1% or h		y bloaccumulative (VFVB) at				
	srupting properties					
Product:	supring properties					
Assessment	: The substance/mixture does not conta	ain components				
//000001110111	considered to have endocrine disruptin					
	according to REACH Article 57(f) or Co					
	Delegated regulation (EU) 2017/2100 c					
	Regulation (EU) 2018/605 at levels of (
12.7 Other advers		s. i /o or higher.				
No data available	e ellecta					
SECTION 13: Dis	posal considerations					
13.1 Waste treatm						
Product						
	istik.com for processes r <mark>egardin</mark> g the retu					
containers, or cont	tact us there if you have further questions					
	nsport information					
14.1 UN number						
ADR/RID: 1477		IMDG: 1477	IATA: 1477			
14.2 UN proper sh						
ADR/RID	: NITRATES, INORGANIC, N.O.S.					
IMDG	: NITRATES, INORGANIC, N.O.S.	6- m				
IATA	: Nitrates, inorganic, n.o.s.					
14.3 Transport haz	zard class(es)	1100 5 4				
ADR/RID: 5.1		IMDG: 5.1	IATA: 5.1			
14.4 Packaging gr	oup					
ADR/RID: II 14.5 Environmenta		IMDG: II	IATA: II			
N	al nazaros	IMDC Marina nellutanti na	1474.00			
	ADR/RID: no 14.6 Special precautions for user IMDG Marine pollutant: no IATA: no					
No data available						
SECTION 15: Rec	gulatory information					
	and environmental regulations/legislatio	n specific for the				
substance or mixtu						
		ents of Regulation (EC) No				
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.						
National legislation						
Seveso III: Directive 2012/18/EU of the European						
Parliament and of the Council on the control of						
major-accident hazards involving dangerous						
substances.						
: OXIDISING LIQUIDS AND SOLIDS						
Other regulations						
Take note of Dir 94/33/EC on the protection of young people at work.						
15.2 Chemical Sat		-				
	chemical safety assessment was not carr	ied out				

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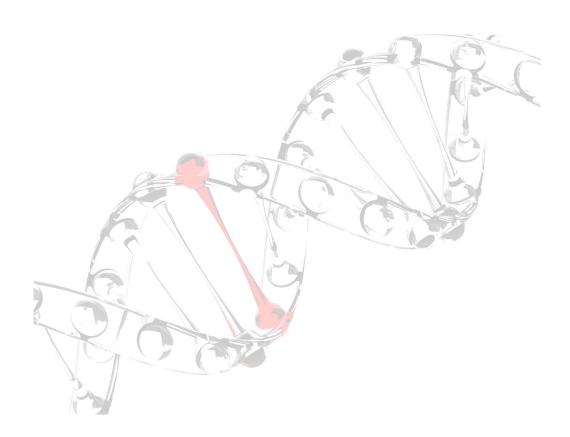
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SECTION 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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