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

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Product identifiers

Product Name : Manganese(II) nitrate, hydrate, 99.98% Product Code: M 0248 CAS-No.: 15710-66-4

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 Oxidizing solids, (Category 3) Skin irritation, (Category 2) Eye irritation, (Category 2) Specific target organ toxicity single exposure, (Category 3), Respiratory system 2.2 Label elements Labelling according Regulation (EC) No 1272/2008 Pictogram Signal Word Hazard Statements H272 H315 H319 H335 Precautionary Statements P210 P220

P261 P264 P302 + P352 P305 + P351 + P338

Supplemental Hazard Statements Reduced Labeling (<= 125 ml) Pictogram Signal Word Hazard Statements **Precautionary Statements** Supplemental Hazard Statements 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.

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H272: May intensify fire; oxidizer. H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.

Warning

May intensify fire; oxidizer. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing and other combustible materials. Avoid breathing dust. Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. none

Warning none none none

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Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

: MnN2O6 · xH2O
: 178,95 g/mol
: 15710-66-4
: 233-828-8

Component	Classification	Concentration
Manganese dinitrate hydrate		
CAS-No. 15710-66-4	Ox. Sol. 3; Skin Irrit. 2; Eye Irrit. 2; STOT	<= 100 %
EC-No. 233-828-8	SE 3; H272, H315, H319, H335	

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	
Manganese/manganese 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	

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extinguishing water from contaminating surface water or the ground water system.

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. Storage stabilityRecommended storage temperature 2 - 8 °C Hydroscopic. Handle and store under inert das. 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 Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses Skin protection This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L **Body Protection**

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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 b) Color c) Odor d) Meltina point/freezing point e) Initial boiling point and boiling range f) Flammability (solid, gas) g) Úpper/lower flammability or explosive limits h) Flash point i) Autoignition temperature i) Decomposition temperature k) pH I) 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
Avoid moisture.
no information available

solid No data available No data available No data available

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 3.

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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. Derm Oral LD50 Rat: 1500 mg/kg; Dermal LD50 Ra Inhalation LC50 Rat: > 50mg/L. Chronic Effects on Humans: CARCINOGENIO	bbit: 2000mg/kg C EFFECTS: Classified None. by NTP,	None. by OSHA, None. by NIOSH.		
Other Toxic Effects on Humans: Hazardous in Special Remarks on Toxicity to Animals: Not available. Special Remarks on Chronic Effects on Huma Special Remarks on other Toxic Effects on Huma	ans: Not available.	ition (lung irritant).		
SECTION 12: Ecological information 12.1 Toxicity No data available 12.2 Persistence and degradability		RC		
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 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.				
con	e substance/mixture does not contain co sidered to have endocrine disrupting pr ording to REACH Article 57(f) or Comm	roperties		
	egated regulation (EU) 2017/2100 or C gulation (EU) 2018/605 at levels of 0.1%			
SECTION 13: Disposal considerations 13.1 Waste treatment methods No data available				
SECTION 14: Transport information 14.1 UN number ADR/RID: 2724 14.2 UN proper shipping name ADR/RID: MANGANESE	IMDG: 2724	IATA: 2724		
IMDG: MANGANESE IATA: Manganese nit 14.3 Transport hazard class(es) ADR/RID: 5.1	NITRATE	IATA: 5.1		
14.4 Packaging group ADR/RID: III	IMDG: III			
14.5 Environmental hazards ADR/RID: no 14.6 Special precautions for user Tunnel restriction code : (E) Further information : No data availab	IMDG Marine pollutant: no	IATA: no		

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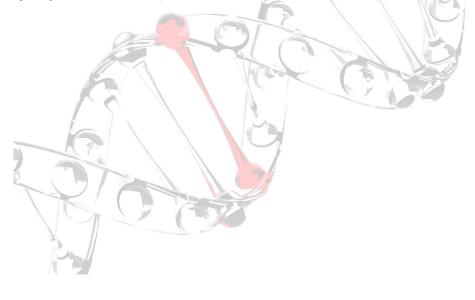
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
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.
P8 OXIDISING LIQUIDS AND
SOLIDS
Other regulations
Take note of Dir 94/33/EC on the protection of young people at work.
15.2 Chemical Safety Assessment
For this product a chemical safety assessment was not carried out

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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