

MATERIAL SAFETY DATA SHEET
MANGANESE CARBONATE
According to Regulation (EC) No. 453/2010

Version : 1.1
Created (DD/MM/YYYY) : 08/11/2017

	Health	1
	Fire	0
	Reactivity	0
	Personal Protection	E

SECTION 1: Identification Of The Substance / Mixture And Of The Company / Undertaking.

1.1 Product Identification

Product form : Substance
Product (Substance) Name : Manganese Carbonate
Synonym : Manganese(II) carbonate
Molecular Formula : 598-62-9
CAS Number : 598-62-9
EC number : 209-942-9
REACH Registration No : 17-2120207594-58-0000

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

1.2.1 Relevant identified uses

Main Use Category : Industrial Use
Use of the Substance / Preparation : Chemical Industry, To Manufacture Surface treatment Chemicals

1.2.2 Uses Advised Against

No Additional Information Available

1.2.3 Details Of Manufacturer & 24/7 Contact No:

Navadia Finchem.
Plot No. 1308-09-03-04 GIDC Estate
Ankleshwar 393002, Gujarat (India)
Phones : +91-2646-252111 / **24 Hours Contact Number** : +91-97272-70009

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 : The substance is not classified as hazardous to health or the environment according to the CLP regulation.

Classification according to Directive 67/548 / EEC or Directive 1999/45 /CE : Not Classified

Specific information on hazards to humans and the environment : No Information Available

Other hazards that do not result in classification : No Information Available

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 : Not applicable

Hazard pictograms : Not applicable

Hazard statements : Not applicable

Signal word : Not applicable

MATERIAL SAFETY DATA SHEET
MANGANESE CARBONATE
According to Regulation (EC) No. 453/2010

Version : 1.1
Created (DD/MM/YYYY) : 08/11/2017

2.3 Other hazards

This Substance / Mixture Does Not Meet the PBT Criteria of REACH, Annex XIII
This Substance / Mixture Does Not Meet the vPvB Criteria of REACH, Annex XIII

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Name Of Product (Main Constituent)	Product Identifier			%	Classification according to Directive 67/548/EEC ----- Regulation (EC) No. 1272/2008 (CLP)
Manganese Carbonate	CAS No	:	598-62-9	>90%	Not Classified ----- Not Classified
	EC Number	:	209-942-9		
	REACH Reg. No.	:	17-2120207594-58-0000		

3.2 Mixtures

Not Applicable

SECTION 4: First aid measures

4.1 Description of First Aid Measures

General : When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person.

Eye Contact : Rinse opened eye for several minutes under running water. Then consult doctor.

Skin Contact : wash with water and soap and rinse thoroughly.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Keep the patient warm, If breathing is difficult, give oxygen. Get medical attention. Serious Inhalation : Data Not Available

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Serious Ingestion: Not available

4.2 Most Important Symptoms and Effects, both acute and delayed

No Additional Information Available

4.3 Indication of any immediate medical attention and any special treatment needed .

In Case of doubt or persistent symptoms, consult always a physician.

Section 5 - Fire and Explosion Data

5.1 Extinguishing Media

Suitable extinguishing Media : Co-ordinate fire fighting measures to the fire surrounding

5.2 Special Hazards arising from the substance or Mixture

Fire Hazard : May Release hazardous fumes

Explosion Hazard : Not Explosive

Reactivity : The product is stable at normal handling and storage conditions.

5.3 Advice for Fire Fighters

Protection during fire fighting : In case of fire wear self contained breathing apparatus.

Section 6 - Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General Measures : Prevent unauthorised access. See protective measures under point 7 And 8

6.1.1. For Non Emergency Personnel

Protective Equipment : Use Personal Protective equipment as required

6.1.2. For Emergency Responders

Protective Equipment : Use Personal Protective equipment as required

6.2. Environmental Precautions

Avoid release to the environment.

6.3. Method and material for containment and cleaning up

For Containment : Collect spillage

Methods for cleaning up : Shovel into suitable and closed container for disposal. Clean contaminated objects and area thoroughly observing environmental regulations.

Other Information : Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal. See protective measures under point 7 and 8

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation. Avoid generation of dust
Hygiene Measures : Do not eat, drink or smoke when using this product. Wash contaminated cloths before reuse.

7.2. Conditions for Sale Storage, Including Incompatibilities.

Technical Measures : Minimize generation of dust. Keep container tightly closed and in a well-ventilated place
Storage conditions : Store in original container
Incompatible products : Acid. Oxidising. Metals.
Storage area : Use only in well-ventilated areas

7.3. Specific end uses

No Additional Information Available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Name Of Product / CAS No : Manganese carbonate / 598-62-9

PNEC (Water)

PNEC aqua (freshwater) : 0.0084 mg/l

PNEC aqua (marine water) : 0.00084 mg/l

PNEC aqua (intermittent, freshwater) : 0.011 mg/l

PNEC (Sediment)

PNEC sediment (freshwater) : 8.18 mg/kg dwt

PNEC sediment (marine water) : 0.82 mg/kg dwt

PNEC (Soil)

PNEC soil : 8.15 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant : 100 mg/l

MATERIAL SAFETY DATA SHEET
MANGANESE CARBONATE
According to Regulation (EC) No. 453/2010

Version : 1.1
Created (DD/MM/YYYY) : 08/11/2017

8.2. Exposure controls

Personal protective equipment

:



Gloves.



Safety glasses



clothing



Dust Mask

Hand protection

: Wear suitable gloves

Eye protection

: Dust protection eye glasses

Skin and body protection

: Wear suitable protective clothing and gloves

Respiratory protection

: Dust/aerosol mask with filter type P3. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State & Appearance	: Ivory To Light Brown Colour Powder
Odour	: Odourless
Odour threshold	: Not Determined
pH	: Not Applicable
Melting point	: 447°C
Freezing Point	: No Data Available
Boiling point	: No Data Available
Flash Point	: No Data Available
flammability (solid, gaseous)	: Non Flammable
Explosive Limit	: Not Explosive
Vapour Pressure	: No Data Available
Relative Vapour Density @ 20°C	: No Data Available
Relative Density	: 3.27
Solubility	: Water : 0.00363 g/l
Self Ignition Temperature	: Non Flammable
Decomposition Temperature	: 380°C
Viscosity, Kinematic	: No Data Available
Viscosity, Dynamic	: No Data Available
Explosive Properties	: Not Explosive
Oxidising Properties	: Not Oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The Product is stable at normal handling and storage conditions.

10.2. Chemical Stability

Stable Under Normal Conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Avoid generation of dust.

10.5. Incompatible materials

Acidic. Bases

10.6. Hazardous decomposition products

Under fire conditions, hazardous fumes will be present.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1 Toxicity

Manganese carbonate (598-62-9)

LC50 other aquatic organisms 1	: > 100
EC50 Daphnia 1	: > 100
NOEC (chronic)	: 1.3 mg/l

12.2 Persistence and degradability

No Additional Information Available

12.3 Bio accumulative potential

No Additional Information Available

12.4 Mobility in soil

No Additional Information Available

12.5 Results of PBT and vPvB assessment

Manganese carbonate (598-62-9)

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

No Additional Information Available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Dispose according to legislation.

SECTION 14: Transport information

No dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

15.1.2. National regulations

No Additional Information Available

15.1.3. Chemical safety assessment

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

SECTION 16: Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing SDS: Navadia Group Of Companies (Marketing Department)

Abbreviations and acronyms:

ADR	:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
GHS	:	Globally Harmonized System of Classification and Labelling of Chemicals
EINCES	:	European Inventory of Existing Commercial Chemical Substances
CAS	:	Chemical Abstracts Service (division of the American Chemical Society)
VbF	:	Verordnung uber brennbare Flussigkeiten (Ordinance on the storage of combustible liquids, Austria)
LC50	:	Lethal concentration, 50 %
LD50	:	Lethal dose létale, 50 %
vPvB	:	very Persistent and very Bioaccumulative
ACGIH	:	American Conference of Governmental Industrial Hygienists (USA)
OSHA	:	Occupational Safety and Health Administration (USA)
NTP	:	National Toxicology Program (USA)
IARC	:	International Agency for Research on Cancer
EPA	:	Environmental Protection Agency (USA)
CLP	:	The regulation on classification, labelling and packaging

Version	:	1.1
References	:	Not Available
Other Special Considerations	:	Not Available
Created (DD/MM/YYYY)	:	08.11.2017
Last Updated (DD/MM/YYYY)	:	Not Applicable