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SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier Manganese carbonate
Details of the supplier of the safety data sheet NIPPON DENKO Co.,Ltd.
272, Oaza Taguchi, Myoko City, Niigata Prefecture, Japan
949-2193
+81-255-86-3101
Emergency Phone Number +81-255-86-3104

2. HAZARDS IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200

Pyrophoric solids Not classified
Substances and mixtures which, in contact with water, emit flammable gases Not classified
Reproductive toxicity Category 1B
Specific target organ toxicity (single exposure) Category 1 (respiratory apparatus)
Specific target organ toxicity (repeated exposure) Category 1 (respiratory apparatus nervous system)

GHS Label Elements

Symbols



Signal Word

Danger

Hazard Statements

H360 May damage fertility or the unborn child
H370 Causes damage to organs(respiratory apparatus)
H372 Causes damage to organs(respiratory apparatus,nervous system) through prolonged or repeated exposure

Precautionary Statements

Prevention

Obtain special instructions before use(P201)
Do not handle until all safety precautions have been read and understood(P202)
Do not breathe dust.(P260)
Wash thoroughly after handling.(P264)
Do not eat, drink or smoke when using this product(P270)
Use personal protective equipment as required.(P281)

Response

IF exposed: Call a doctor.(P307+P311)
IF exposed or concerned: Get medical advice/attention(P308+P313)

Get medical advice/attention if you feel unwell(P314)

Specific treatment.(P321)

Storage

Store locked up(P405)

Disposal

Dispose of contents/ container to an approved landfill.(P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	Contents	CAS number
Manganese carbonate	>=91%	598-62-9
Water	<9%	7732-18-5

4. FIRST-AID MEASURES

In case of inhalation

Call a doctor if you feel unwell.

IF exposed or concerned: Get medical advice and attention.

In case of skin contact

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice and attention.

IF exposed or concerned: Get medical advice and attention.

In case of eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice and attention.

In case of ingestion

Rinse mouth.

IF SWALLOWED: Call a doctor if you feel unwell.

IF exposed or concerned: Get medical advice and attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Non-combustible, substance itself does not burn.

Dry chemical, alcohol-resistant foam, CO₂, sand.

Specific hazards arising from the chemical

Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.

Special protective equipment and precautions for fire-fighters

Use goggles in combination with dust mask, and another protections as appropriate to situation.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use goggles in combination with dust mask, and another protections as appropriate to situation.

Large spills :Evacuate area.

Ensure adequate ventilation.

Environmental precautions

Do not discharge into the drains, surface waters or ground water directly.

Methods and materials for containment and cleaning up

Sweep or vacuum spills to drums or containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical measures

Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Safe handling advice

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe dust/fume/gas/mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

Suitable storage conditions

Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH (TLV)	OSHA (PEL)
Manganese carbonate	TWA 0.02 mg/m ³ (R),0.1 mg/m ³ (I),STEL – (as Mn)	5 mg/m ³ Ceiling (as Mn)

Appropriate engineering controls

Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures

Respiratory protection

If necessary, wear respiratory protection.

Hand protection

Wear protective gloves.

Eye protection

Wear eye protection/face protection.

Skin and body protection

Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Solid
Color	Light brown
Odor	Odorless
Odor threshold	No data available
pH	No data available
Melting point	No data available
Boiling point	No data available
Flash point	Not ignited
Evaporation rate	No data available
Flammability(Solid,Gas)	Non combustible
Flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity (Density)	No data available
Solubility	0.065g/L
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Non combustible
Decomposition temperature	<=100°C

Viscosity No data available

10. STABILITY AND REACTIVITY

Reactivity No information available
 Chemical stability No information available
 Possibility of hazardous reactions No information available
 Conditions to avoid No information available
 Incompatible materials No information available
 Hazardous decomposition products No information available

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral) Classification not possible:598-62-9 (source: NITE)
 Acute toxicity (Dermal) Classification not possible:598-62-9 (source: NITE)
 Acute toxicity (Inhalation : Gases) Not applicable:598-62-9 (source: NITE)
 Acute toxicity (Inhalation : Vapours) Not applicable:598-62-9 (source: NITE)
 Acute toxicity (Inhalation : dust/mist) Classification not possible:598-62-9 (source: NITE)
 Skin corrosion/ Irritation Classification not possible:598-62-9 (source: NITE)
 Serious eye damage/ irritation Classification not possible:598-62-9 (source: NITE)
 Respiratory Sensitization Classification not possible:598-62-9 (source: NITE)
 Skin Sensitization Classification not possible:598-62-9 (source: NITE)
 Germ cell mutagenicity Classification not possible:598-62-9 (source: NITE)
 Carcinogenicity Classification not possible:598-62-9 (source: NITE)
 Reproductive toxicity Category 1B:598-62-9 (source: NITE)
 Reproductive toxicity, effects on or via lactation No data:598-62-9 (source: NITE)
 Specific target organ toxicity – Single exposure Category 1:598-62-9 (organ = respiratory apparatus, source: NITE)
 Specific target organ toxicity – Repeated exposure Category 1:598-62-9 (organ = respiratory apparatus, nervous system, source: NITE)
 Aspiration hazard Classification not possible:598-62-9 (source: NITE)

12. ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment – Acute Toxicity Classification not possible:598-62-9 (source: NITE)
 Hazardous to the Aquatic Environment – Chronic Toxicity Classification not possible:598-62-9 (source: NITE)
 Hazardous to the Ozone layer Classification not possible:598-62-9 (source: NITE)

13. DISPOSAL CONSIDERATIONS

Residual Waste Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes.
 Dispose of waste in accordance with local, state and federal regulations.

Contaminated Container and Packaging

Passed to a licensed waste contractor.

In case of disposal of empty containers, remove the content thoroughly.

14. TRANSPORT INFORMATION

IMDG

Not dangerous goods

IATA

Not dangerous goods

DOT

Not dangerous goods

15. REGULATORY INFORMATION

CERCLA/SARA – Section 313

CERCLA/SARA – Section 313 – Emission Reporting

U.S. – RTK (Right To Know) List

New Jersey – RTK (Right to Know) – Hazardous Substance List

Pennsylvania – RTK (Right to Know) List

California – Cleaning Products RTK (Right to Know) – Substances in Designated List

California – Safer Consumer Products

Informational List of Candidate Chemicals and Chemical Groups

Inventory

TSCA – United States

ENCS – Japan

KECI Annex 1, 2 – Korea

IECSC – China

DSL/NDSL – Canada

PICCS – Philippines

AICS – Australia

EINECS/ELINCS – European Union

TCSI – Taiwan

NZIoC – New Zealand

16. OTHER INFORMATION

Literature References

NITE GHS

EU CLP Regulation, AnnexVI

Other data

The information suggested in this Safety Data Sheet does not comprehend everything and should be adopted only as a guide.

The accuracy of the information and recommendations suggested herein are credible. However the company makes no warranty regarding such information and recommendations and disclaims all liability for reliance thereon.

National Fire Protection Association(U.S.A)

Health

0

Flammability

0

Reactivity

0

Specific hazard

Not applicable

HMIS(U.S.A)

Health Hazard

*4

Fire Hazard	0
Reactivity	0
Personal Protection	The customer is responsible for determining the PPE code for this material