SAFETY DATA SHEET

IDENTIFICATION NO.	MS-E05-4
CREATION DATE	Jun/18/1992
REVISION DATE	Nov/05/2014

SECTION 1 CHEMICAL PRODUCTS & COMPANY IDENTIFICATION

SUBSTANCE NAME	MAGNESIUM CARBONATE HYDROXIDE
TRADE NAMES	MAGNESIUM CARBONATE Goldstar
	MAGNESIUM CARBONATE Food additive
	MAGNESIUM CARBONATE Feed grade
	MAGNESIUM CARBONATE Light
	MAGNESIUM CARBONATE HEAVY
	MAGNESIUM CARBONATE HEAVY PS
	MAGNESIUM CARBONATE HEAVY Food additive
	MAGNESIUM CARBONATE HEAVY Feed grade
	HIGH PURITY MAGNESIUM CARBONATE GP-30
	HIGH PURITY MAGNESIUM CARBONATE GP-30N
NAME OF COMPANY	KONOSHIMA CHEMICAL CO.,LTD.
ADDRESS	3-15,AWAZA 1-CHOME,NISHI-KU,OSAKA-CITY,JAPAN 550-0011

SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION

[PHYSICAL HAZARDS] Not classified, Not applicable or Classification not possible

[HEALTH HAZARDS]

Acute toxicology (oral)	Not classified
Dermal corrosion/irritation	Classification 3
Serious eye damages/irritation	Classification 2B
Germ cell mutagenicity	Not classified
Other elements are	"Classification not possible" or "Not applicable"

[ENVIRONMENTAL HAZARDS] Classification not possible

- Signal Word	**Warning**
- Hazard statement	Causes mild skin irritation
	Causes eye irritation

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/PREPARATION	SUBSTANCE
COMPONENT:	MAGNESIUM CARBONATE HYDROXIDE
CHEMICAL FORMULA	x MgCO3 · y Mg(OH)2 · z H2O (x,y,z are incertitude)
CAS NUMBER:	12125-28-9, 546-93-0, 7760-50-1, 23389-33-5(USP), 39409-82-0(FCC) etc. (Differed by data source)
SYNONYMS	Basic Magnesium Carbonate Tetrakis(Carbonato(2-)Dihydroxypenta-Magnesium;
COMPOSITION:	MAGNESIUM CARBONATE HYDROXIDE 100.0%

SECTION 4 FIRST AID MEASURES

INHALATION

Gargle.
Remove from exposure area to fresh air immediately. Perform artificial respiration if necessary. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothing and shoes immediately. Wash with large amounts of water until no evidence of chemical remains (at least 15-20 minutes).

EYE CONTACT

Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

INGESTION

If vomiting occurs, keep head lower than hips to help prevent aspiration. Treat symptomatically and supportively. Get medical attention if needed.

SECTION 5 FIRE FIGHTING MEASURES

FIREFIGHTING

No acute hazard (Inflammable).
Move container from fire avoid from fire spread, because it has an unpleasant smell of packaging. And it may occur produce carbon monoxide, according to condition. Avoid breathing vapors or dusts; keep upwind.

SECTION 6 ACCIDENTIAL RELEASE MEASURES

POINT TO NOTICE FOR PUBLIC HEALTH

Ventilate it enough until processing ends for the room.

PROTECTION MEASURES

Sweep ,collect and dispose the dust.
Wear the dust mask, the rubber glove, the apron, and the boot, etc. when working.
Watering is effective.

POINT TO NOTICE FOR ENVIROMENT

Note that dust doesn't disperse.

REMOVING METHOD

If it diluted with water, do the dissolution neutralizing with the acid when you draining it because alkalinity is shown.

SECTION 7 HANDLING AND STORAGE

HANDLING

Set up the local exhaust ventilation and the collection dust equipment or do handling in the place where ventilation is good.
Set up the equipment to wash eyes and to wash the body near the handling place in the emergency.
Prevent dust from dispersing when working.
Work from the windward about work in outdoor.
Wash your the hand and face, etc. well after handling.

STORAGE

Avoid the water and moisture, and keep it in the indoor warehouse.
Seal up the remainder after a package is opened to the plastic bag.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL

3 mg/m3(inhalable dust), 10 mg/m3(total dust) ACGIH(2004) TWA

VENTILATION

Provide local exhaust ventilation system to meet published exposure limits.

PERSONAL PROTECTION

- RESPIRATOR

Employee must wear appropriate dust-respirator to prevent inhale with this substance.

- HAND

Employee must wear appropriate protective gloves to prevent contact with this substance.

- EYE

Employee must wear splash-proof or dust-resistant safety goggles to prevent eye contact with this substance.

- SKIN AND BODY

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION	Fine powder.
COLOR	White.
ODOR	None.
pH	about 10.4 (4% slurry)
MELTING POINT:	2800 C(as Magnesium Oxide, See Section 10)
BOILING POINT:	3600 C(as Magnesium Oxide, See Section 10)
SPECIFIC GRAVITY:	2.2
WATER SOLUBILITY:	0.025% (water)

SECTION 10 STABILITY AND REACTIVITY

STABILITY

There is decompose to "Magnesium Oxide", "Carbon dioxide" and "Water", if ignited.
There is a hygroscopicity.

POSSIBILITY OF HAZARDOUS REACTIONS

Will not occur.

SECTION 11 TOXICOLOGY INFORMATION

ACCUTE EFFECTS	
- Oral LD50	over 5000mg/kg(female mouse)
Dermal Corrosion/Irritation	May cause irritation, if contact at long time. Causes mild skin irritation "Classification 3"
Serious Eye Damage/Irritation	May cause irritation. Causes eye irritation "Classification 2B"
Respiratory sensitization	No data available
Skin sensitization	No data available
Germ cell mutagenicity	Negative
Carcinogenicity	No data available
Reproductive Toxicity	No data available
STOST-Single exposure	No data available
STOST-Repeated exposure	No data available
Aspiration hazard if inhaled	No data available
Others	No data available

SECTION 12 ECOLOGICAL INFORMATION

Hazards to the aquatic environment	No data available
Persistence/Degradation:	No data available
Bioaccumulation:	No data available
Movability in the soil	No data available

SECTION 13 DISPOSAL INFORMATION

Observe all federal, state and local regulations when disposing of this substance.

SECTION 14 TRANSPORTATION INFORMATION

No classification currently assigned.

TRANSPORTATION METHOD Protect from water and moisture.

SECTION 15 REGULATORY INFORMATION

Chemical Inventory Status

TSCA	Y
EU(EINECS)	Y
Japan(ENCS)	Y
Australia(AICS)	Y
Korea(ECL)	Y
Canada(DSL)	Y
Canada(NDSL)	N
Philippine(PICCS)	Y

SECTION 16 OTHER

N/A