

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: MAGNESIUM IODIDE

CAS#: 10377-58-9

C.I. No.: Not available

Synonym: Not Available.

Chemical Name: Not Available

Chemical Formula: I_2Mg

Composition and Information on Ingredients

Name	S.K.U	% by Weight
MAGNESIUM IODIDE	GCS-8636	100

Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Other hazards – none

First Aid Measures

Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

No Data Available.

Indication of any immediate medical attention and special treatment needed

No data available

Fire and Explosion Data

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Hydrogen iodide, Magnesium oxide

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No Data Available

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Handling and Storage

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Combustible Solids

Specific end use(s)

No data available

Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

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).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

Physical and Chemical Properties

Information on basic physical and chemical properties

a) <u>Appearance Form</u>	: Powder
	Colour: : Dark Brown
b) <u>Odour</u>	: No data available
c) <u>Odour</u>	: No data available
d) <u>pH</u>	: No data available
e) <u>Melting point/freezing point</u>	: Melting point/range: 637 °C - dec.
f) <u>Initial boiling point and boiling range</u>	: No data available
g) <u>Flash point</u>	: No data available
h) <u>Evaporation rate</u>	: No data available
i) <u>Flammability (solid, gas)</u>	: No data available
j) <u>Upper/lower flammability or explosive limits</u>	: No data available
k) <u>Vapour pressure</u>	: No data available
l) <u>Vapour density</u>	: No data available
m) <u>Relative density</u>	: 4.43 g/cm ³ at 25 °C
n) <u>Water solubility</u>	: No data available
o) <u>Partition coefficient: noctanol/ water</u>	: No data available
p) <u>Auto-ignition temperature</u>	: No data available
q) <u>Decomposition temperature</u>	: No data available

r) <u>Viscosity</u>	: No data available
s) <u>Explosive properties</u>	: No data available
t) <u>Oxidizing properties</u>	: No data available
u) <u>Molecular Weight</u>	: 278.11 g/mol

Other safety information

No data available

Stability and Reactivity Data

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available

Conditions to avoid : Exposure to air may affect product quality. Exposure to light may affect product quality.

Incompatible materials : Strong acids, Strong reducing agents.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Hydrogen iodide, Magnesium oxide
Other decomposition products - No data available

Toxicological Information**Information on toxicological effects****Acute toxicity**

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

Prolonged exposure to iodides may produce iodism in sensitive individuals. headache and irritation of the mucous membrane. For severe cases the skin blue spots. Iodides are readily diffused across the placenta. Neonatal de been reported. Iodides have been known to cause drug-induced fevers, whic, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Magnesium iodide)

Ecological Information

Toxicity

No data available

Persistence

and

degradabilit

y No data

available

Bioaccumul

ative

potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

Disposal Considerations

Waste Treatment Methods Products:

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Transformation Information

Land transport (ADR-RID)

General information: Not regulated.

Sea transport (IMDG) [English only]
General information: Not regulated.

Air transport (ICAO-IATA) [English only]
General information: Not regulated.

Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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

No data available

Chemical Safety Assessment : No data available.



Additional Information

References: Not available.

Other Special Considerations: Not available.

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