

United Nuclear

Scientific Equipment & Supplies

THERMITE

MATERIAL SAFETY DATA SHEET (MSDS)

Section 1 - Chemical Product and Company Identification:

MSDS Name: Thermite (Thermit), Welding Powder

Company Identification:

United Nuclear Scientific

125 N. 8th Street

Klamath Falls, OR 97601

TEL. NO.:(541) 205-6855

24 HR EMERGENCY Telephone Number

VelocityEHS (USA): 800-255-3924

Section 2 - Composition, Information on Ingredients

CAS#: 1309-37-1

Chemical Name: Iron oxide %: N/A

EINECS#: 215-168-2

Hazard Symbols:

Risk Phrases:

CAS#: 7429-90-5

Chemical Name: Aluminum %: N/A

EINECS#: 231-072-3

Hazard Symbols: F

Risk Phrases: 15 17

Text for R-phrases: see Section 16

Hazard Symbols: F

Risk Phrases: 10 15

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Flammable. Contact with water liberates extremely flammable gases. Water-reactive.

Potential Health Effects

Eye:

Dust may cause mechanical irritation. Aluminum particles may cause corneal necrosis.

Skin:

Dust may cause mechanical irritation.

Ingestion:

May cause severe and permanent damage to the digestive tract. May cause liver damage. Causes severe pain, nausea, vomiting, diarrhea, and shock. May cause hemorrhaging of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation:

Dust is irritating to the respiratory tract. Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell

count.

Chronic:

Chronic inhalation may cause effects similar to those of acute inhalation. Chronic inhalation of finely divided powder has been reported to cause pulmonary fibrosis and emphysema. Repeated skin contact has been associated with bleeding into the tissue, delayed hypersensitivity and granulomas.

Section 4 - First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. Dust can be an explosion hazard when exposed to heat or flame.

Extinguishing Media:

Do NOT use water directly on fire. Use dry chemical to fight fire.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

CAS# 1309-37-1:

United States OSHA: 10 mg/m³ TWA

United States OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Color: silver and black to brown

Odor: Odorless.

pH: Not applicable

Vapor Pressure: Not applicable.

Viscosity: Not applicable.

Boiling Point: Not applicable.

Freezing/Melting Point: Not available

Autoignition Temperature: Not applicable

Flash Point: Not applicable.

Explosion Limits: Lower:Not available

Explosion Limits: Upper:Not available

Decomposition Temperature: Not available

Solubility in water: Insoluble in water.

Specific Gravity/Density: >1.0

Molecular Formula: Mixture

Molecular Weight:

Section 10 - Stability and Reactivity

Chemical Stability:

Stable at room temperature in closed containers under normal storage

and handling conditions.

Conditions to Avoid:

Incompatible materials, dust generation.

Incompatibilities with Other Materials

Not available

Hazardous Decomposition Products

Aluminum oxide.

Hazardous Polymerization

Has not been reported.

Section 11 - Toxicological Information

RTECS#:

CAS# 1309-37-1: N07400000 N07420000 N07480000

CAS# 7429-90-5: BD0330000 BD1020000

LD50/LC50:

Not available

Not available

Not available

Carcinogenicity:

Iron oxide -

IARC: Group 3 (not classifiable)

Aluminum -

Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other:

See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other:

No information available.

Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location.

Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

Section 14 - Transport Information

IATA

Shipping Name: FLAMMABLE SOLID, INORGANIC, N.O.S.(Aluminium powder

Hazard Class: 4.1

UN Number: 3178

Packing Group: III

IMO

Shipping Name: FLAMMABLE SOLID, INORGANIC, N.O.S.(Aluminium powder

Hazard Class: 4.1

UN Number: 3178

Packing Group: III

RID/ADR

Shipping Name: FLAMMABLE SOLID, INORGANIC, N.O.S.(Aluminium powder

Hazard Class: 4.1

UN Number: 3178

Packing Group: III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F

Risk Phrases:

R 10 Flammable.

R 15 Contact with water liberates extremely flammable gases.

Safety Phrases:

S 7/8 Keep container tightly closed and dry.

S 43H In case of fire, use dry chemical, soda ash, lime or sand. (Do not use water or foam).

WGK (Water Danger/Protection)

CAS# 1309-37-1: 0

CAS# 7429-90-5: 0

Canada

CAS# 1309-37-1 is listed on Canada's DSL List

CAS# 7429-90-5 is listed on Canada's DSL List

US Federal

TSCA

CAS# 0-00-0 is not listed on the TSCA Inventory. It is for research and development use only.

CAS# 1309-37-1 is listed on the TSCA Inventory.

CAS# 7429-90-5 is listed on the TSCA Inventory.

Section 16 - Other Information

Text for R-phrases from Section 2

R 15 Contact with water liberates extremely flammable gases.

R 17 Spontaneously flammable in air.

MSDS Creation Date: 12/12/1997

Revision #4 Date: 3/17/2016

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Safety Data Sheet

Thermite Ignition Mix

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Thermite Ignition Mix

Synonyms/Generic Names: Aluminum and iron oxide mixture

Product Number: 5810

Product Use: Industrial, Manufacturing or Laboratory use

Supplier: United Nuclear Scientific
125 N. 8th Street
Klamath Falls, OR 97601
Tel: 541-205-6855

24 HR EMERGENCY Telephone Number

VelocityEHS (USA): 800-255-3924

2. HAZARDS IDENTIFICATION

OSHA Hazards: Irritant

Target Organs: None

Signal Word: Warning

Pictograms:



GHS Classification:

Skin irritation	Category 2
Eye irritation	Category 2A
Specific target organ toxicity-single exposure	Category 3

GHS Label Elements, including precautionary statements:

Hazard Statements:

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary Statements:

P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Potential Health Effects

Eyes	Causes eye irritation.
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Ingestion	May be harmful if swallowed.

NFPA Ratings

Health	1
Flammability	3
Reactivity	1
Specific hazard	N/A

HMIS Ratings

Health	1
Fire	1
Reactivity	1
Personal	E

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	CAS #	EINECS# / ELINCS#	Formula	Molecular Weight
Aluminum Powder	25	7429-90-5	231-072-3	Al	26.98 g/mol
Ferric Oxide Powder	75	1309-71-1	215-168-2	Fe ₂ O ₃	159.69 g/mol

4. FIRST-AID MEASURES

Eyes	In case of eye contact, rinse with plenty of water and seek medical attention if necessary.
Inhalation	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
Skin	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
Ingestion	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media	Product is flammable at high temperatures. Use dry chemical, carbon dioxide, alcohol foam. Do not use water.
Special protective equipment and precautions for firefighters	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
Specific hazards arising from the chemical	Emits toxic fumes (aluminum oxides, iron oxides) under fire conditions. (See also Stability and Reactivity section).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions	Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and place in suitable containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Keep away from sources of ignition – No smoking. Avoid formation of dusts.

Conditions for safe storage, including any incompatibilities

Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities). Never allow product to get in contact with water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls:

Component	Exposure Limits	Basis	Entity
Aluminum	5 mg/m ³ (resp)	PEL	OSHA
	10 mg/m ³ (total)		
	5 mg/m ³ (resp)	REL	NIOSH
15 mg/m ³ (total)			
	1 mg/m ³	TLV	ACGIH
Ferric Oxide	5 mg/m ³	TLV	ACGIH
	10 mg/m ³	PEL	OSHA
	5 mg/m ³	REL	NIOSH

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health

WEEL: Workplace Environmental Exposure Levels

CEIL: Ceiling

Personal Protection

Eyes	Wear chemical safety glasses or goggles.
Inhalation	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin	Wear nitrile or rubber gloves, flame retardant antistatic protective clothing.
Other	Not Available

Other Recommendations

Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)	White to silver powder.
Odor	Not Available
Odor threshold	Not Available
pH	Not Available
Melting point/freezing point	Not Available

Initial boiling point and boiling range	Not Available
Flash point	Not Available
Evaporation rate	Not Available
Flammability (solid, gas)	Flammable solid
Upper/lower flammability or explosive limit	Not Available
Vapor pressure	Not Available
Vapor density	Not Available
Relative density	Not Available
Solubility (ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not Available
Ignition temperature	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Possibility of Hazardous Reactions	Will react with water.
Conditions to Avoid	Excessive heat, water.
Incompatible Materials	Acids, acid chlorides, halogens, oxidizing agents, bases, water.
Hazardous Decomposition Products	Aluminum oxide, iron oxides.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin	Not Available
Eyes	Not Available
Respiratory	Not Available
Ingestion	Not Available

Carcinogenicity

IARC	1 – Group 1: Carcinogenic to humans (Aluminum). 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Ferric oxide).
ACGIH	A4: Not classifiable as a human carcinogen (Aluminum). A4: Not carcinogenic to humans (Ferric oxide).
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs & Symptoms of Exposure

Skin	Irritation, redness, swelling of exposed tissues.
Eyes	Irritation, redness.
Respiratory	Irritation, especially to mucous membranes and upper respiratory tract, coughing, sneezing, headaches, nausea.
Ingestion	Diarrhea, nausea.

Chronic Toxicity	Not Available
Teratogenicity	Not Available
Mutagenicity	Not Available
Embryotoxicity	Not Available
Specific Target Organ Toxicity	Not Available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate	Not Available
Aquatic Invertebrate	Not Available
Terrestrial	Not Available

Persistence and Degradability	Not Available
Bioaccumulative Potential	Not Available
Mobility in Soil	Not Available
PBT and vPvB Assessment	Not Available
Other Adverse Effects	Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Waste Residues	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residues.
Product Containers	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

14. TRANSPORTATION INFORMATION

US DOT	Not Dangerous Goods
TDG	Not Dangerous Goods
IMDG	Not Dangerous Goods
Marine Pollutant	No
IATA/ICAO	Not Dangerous Goods

15. REGULATORY INFORMATION

TSCA Inventory Status	All ingredients are listed on the TSCA inventory.
DSCL (EEC)	All ingredients are listed on the DSCL inventory.
California Proposition 65	Not Listed
SARA 302	Not Listed
SARA 304	Not Listed
SARA 311	Aluminum, Ferric Oxide
SARA 312	Aluminum, Ferric Oxide
SARA 313	Listed: Aluminum
WHMIS Canada	CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

16. OTHER INFORMATION

Revision	Date
Revision 1	01/17/2013

Disclaimer: United Nuclear Scientific believes that the information herein is factual but is not intended to be all inclusive. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because United Nuclear Scientific has no continuing control over the material, those handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that the same is done in accordance with federal, state and local law. UNITED NUCLEAR SCIENTIFIC MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING (WITHOUT LIMITATION) WARRANTIES WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN OR WITH RESPECT TO FITNESS FOR ANY PARTICULAR USE.

Safety Data Sheet

Magnesium, Ribbon

United Nuclear

Scientific Equipment & Supplies

Section 1 Product Description

Product Name: Magnesium, Ribbon
Recommended Use: Science education applications
Synonyms: None known
Distributor: United Nuclear Scientific
125 N. 8th Street, Klamath Falls, OR 97601
(541) 205-6855
Chemical Information: (541) 205-6855 (9am-5pm PST M-F)
24 HR Emergency Phone: 800-255-3924 (USA) VelocityEHS

Section 2 Hazard Identification

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

DANGER



Flammable solid. In contact with water releases flammable gases which may ignite spontaneously.

GHS Classification:

Flammable Solid Category 1, Substance or mixture which in contact with water emits flammable gas Category 1

Section 3 Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
Magnesium, Ribbon	7439-95-4	100

Section 4 First Aid Measures

Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact: Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5 Firefighting Procedures

Extinguishing Media: Use dry chemical or cover with dry sand or lime.
Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.
Hazardous Combustion Products: Metal fumes

Section 6 Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid the generation of dusts during clean-up.

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Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Do not flush spill to drain.

Section 7 Handling and Storage

Handling: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep away from any possible contact with water, because of violent reaction and possible flash fire. Handle under inert gas. Protect from moisture. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/.../ equipment. Wear protective gloves/protective clothing/eye protection/face protection.

Storage: Store in a dry place. Store in a closed container. Keep container tightly closed in a cool, well-ventilated place.

Storage Code: Red - Flammables. Store in approved flammable containers. Store away from oxidizing materials.

Section 8 Protection Information

<u>Chemical Name</u>	<u>ACGIH</u>		<u>OSHA PEL</u>	
	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
Magnesium	N/A	N/A	N/A	N/A

Control Parameters

Engineering Measures: No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE): Lab coat, apron, eye wash, safety shower.

Respiratory Protection: No respiratory protection required under normal conditions of use.

Respirator Type(s): None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection: Wear chemical splash goggles when handling this product. Have an eye wash station available.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: No information available

Section 9 Physical Data

Formula: Mg	Vapor Pressure: 1 mmHg at 621 °C
Molecular Weight: 24.30	Evaporation Rate (BuAc=1): No data available
Appearance: Silver-White Solid	Vapor Density (Air=1): 0.84
Odor: None	Specific Gravity: 1.738 @ 20 deg C
Odor Threshold: No data available	Solubility in Water: Practically Insoluble
pH: No data available	Log Pow (calculated): No data available
Melting Point: 651 C	Autoignition Temperature: 473 C
Boiling Point: 1107 C	Decomposition Temperature: No data available
Flash Point: 500 C	Viscosity: No data available
Flammable Limits in Air: No data available	Percent Volatile by Volume: No data available

Section 10 Reactivity Data

Reactivity: Moderately reactive - See below

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Exposure to moisture

Incompatible Materials: Strong oxidizing agents, Carbonates, Ammonium Salts, Cyanide Salts, Ethylene oxide, Halogenated Hydrocarbons, Halogens, Cyanogen

Hazardous Decomposition Products: Metal fumes

Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry: Inhalation and ingestion.

Symptoms (Acute): Respiratory Irritation, Dermatitis, Tremors

Safety Data Sheet

Delayed Effects: Gastrointestinal,

Acute Toxicity:

Chemical Name
No data available

CAS Number
7439-95-4

Oral LD50
Not determined

Dermal LD50
Not determined

Inhalation LC50
Not determined

Carcinogenicity:

Chemical Name
Magnesium

CAS Number
7439-95-4

IARC
Not listed

NTP
Not listed

OSHA
Not listed

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.
Teratogenicity: No evidence of a teratogenic effect (birth defect).
Sensitization: No evidence of a sensitization effect.
Reproductive: No evidence of negative reproductive effects.
Target Organ Effects:

Acute: No data available

Chronic: No data available

Section 12

Ecological Data

Overview: This material is not expected to be harmful to the ecology.
Mobility: No data
Persistence: Chemically Transformed
Bioaccumulation: No data
Degradability: Naturally occurring element. Does not biodegrade.
Other Adverse Effects: No data

Chemical Name
Magnesium

CAS Number
7439-95-4

Eco Toxicity
Not available

Section 13

Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
Waste Disposal Code(s): Not Determined

Section 14

Transport Information

Ground - DOT Proper Shipping Name:
UN1869 Magnesium Division 4.1 P.G. III

Air - IATA Proper Shipping Name:
UN1869 Magnesium Division 4.1 P.G. III

Section 15

Regulatory Information

TSCA Status: All components in this product are on the TSCA Inventory.

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Magnesium	7439-95-4	No	No	No	No	No

California Prop 65:

No California Proposition 65 ingredients

Section 16

Additional Information

Safety Data Sheet

Revised: 08/21/2018

Replaces: 06/15/2018

Printed: 08-25-2018

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. United Nuclear Scientific makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
DOT	U.S. Department of Transportation	ppm	Parts per million
IARC	International Agency for Research on Cancer	RCRA	Resource Conservation and Recovery Act
N/A	Not Available	SARA	Superfund Amendments and Reauthorization Act
		TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health