

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 12/14/2004

Reviewed on 12/14/2004

## 1 Identification of substance

**Trade name:** IMPORT MAGNESIUM  
**Product code:** ZBHT001833  
**Manufacturer/Supplier:** Hi-Tech Industries  
 19270 West Eight Mile Road  
 Southfield, MI 48075  
**Information department:** Health & Safety Department  
**Emergency information:** INFOTRAC 1-800-535-5053

## 2 Composition/Data on components

**Chemical Description:** This product is a mixture of the substances listed below with nonhazardous additions.

### Dangerous components:

67-64-1	acetone	R Xi, R F; R 11-36-66-67	36.42%
74-98-6	propane	R F+; R 12	15.81%
108-88-3	toluene	R Xn, R F; R 11-20	11.43%
106-97-8	n-butane	R F+; R 12	9.28%
107-87-9	Methyl Propyl Ketone	R F; R 11	3.58%
7429-90-5	Aluminum flake	R Xi; R 37	3.01%
1317-65-3	Calcium Carbonate	R Xi; R 36/37/38	1.61%
64742-89-8	VM&P Naptha	R Xn; R 20/22	1.54%
64742-47-8	Mineral Spirits	R Xn, R F; R 11-65	1.52%
2807-30-9	Glycol Ether EP	R Xi; R 10-36/37/38	1.49%

**Additional information:** For the wording of the listed risk phrases refer to section 3.

## 3 Hazards identification

**Hazard description:** Xi Irritant  
 R R F+ Extremely flammable

**Physical dangers:** Warning! Pressurized container. Keep away from heat, sparks, and flame.  
 Has a narcotizing effect.  
 R 12 Extremely flammable.  
 R 36 Irritating to eyes.  
 R 67 Vapours may cause drowsiness and dizziness  
 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
 Keep out of the reach of children.

**Effects of short-term overexposure:** Causes irritation to the eyes, nose, throat, skin, and central nervous system. Symptoms may include dizziness, throat irritation, headache, fatigue, swelling of eyes, and nausea.

**Effects of chronic overexposure:** May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

**NFPA ratings (scale 0 - 4):** Health = 1  
 Fire = 4  
 Reactivity = 3

**HMIS-ratings (scale 0 - 4):** Health= 1  
 Fire= 4  
 Physical Hazard= 3

## 4 First aid measures

**After inhalation:** If breathing is difficult, administer oxygen.  
**After skin contact:** Remove contaminated clothing. Wash exposed area with soap and water.  
**After eye contact:** Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
**After swallowing:** Contact physician or poison control center.

## 5 Fire fighting measures

**Extinguishing agents:** CO2, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

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**Trade name: IMPORT MAGNESIUM****Protective equipment:** No special measures required.

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## 6 Accidental release measures

**Personal safety precautions:**

Wear protective equipment. Keep unprotected persons away.

**Environmental safety precautions:**
Do not allow product to reach sewage systems or ground water.  
Inform appropriate authorities in case of seepage into water course or sewage system.
**Measures for cleaning/collecting:**

Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information.

## 7 Handling and storage

**Fire/explosion protection:** Do not spray on a naked flame or any incandescent material.  
Do not smoke. Protect from electrostatic charges.

**Storage requirements:** Observe pressurized container storage regulations. Consult with your local authorities.  
Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

## 8 Exposure controls and personal protection:

**Components with limit values that require monitoring at the workplace:**
**67-64-1 acetone**

PEL 2400 mg/m<sup>3</sup>, 1000 ppm  
 REL 590 mg/m<sup>3</sup>, 250 ppm  
 TLV Short-term value: 1782 mg/m<sup>3</sup>, 750 ppm  
 Long-term value: 1188 mg/m<sup>3</sup>, 500 ppm  
 BEI

**74-98-6 propane**

PEL 1800 mg/m<sup>3</sup>, 1000 ppm  
 REL 1800 mg/m<sup>3</sup>, 1000 ppm  
 TLV (4508) mg/m<sup>3</sup>, (2500) ppm

**108-88-3 toluene**

PEL Short-term value: C 300; 500\* ppm  
 Long-term value: 200 ppm  
 \*10-min peak per 8-hr shift  
 REL Short-term value: 560 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 375 mg/m<sup>3</sup>, 100 ppm  
 TLV 188 mg/m<sup>3</sup>, 50 ppm  
 Skin; BEI

**106-97-8 n-butane**

REL 1900 mg/m<sup>3</sup>, 800 ppm  
 TLV 1900 mg/m<sup>3</sup>, 800 ppm

**107-87-9 Methyl Propyl Ketone**

PEL 700 mg/m<sup>3</sup>, 200 ppm  
 REL 530 mg/m<sup>3</sup>, 150 ppm  
 TLV Short-term value: 881 mg/m<sup>3</sup>, 250 ppm  
 Long-term value: 705 mg/m<sup>3</sup>, 200 ppm

**7429-90-5 Aluminum flake**

PEL 15\*; 5\*\* mg/m<sup>3</sup>  
 \*Total dust \*\*Respirable fraction  
 REL 10\*; 5\*\* mg/m<sup>3</sup>  
 Metal dust; \*Total dust \*\*Respirable fraction  
 TLV 10 mg/m<sup>3</sup>  
 Metal dust

**1317-65-3 Calcium Carbonate**

PEL 15\*; 5\*\* mg/m<sup>3</sup>  
 \*Total dust \*\*Respirable fraction  
 REL 10\*; 5\*\* mg/m<sup>3</sup>  
 \*Total dust \*\*Respirable fraction  
 TLV 10 mg/m<sup>3</sup>  
 (e)

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**Trade name: IMPORT MAGNESIUM**

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**64742-47-8 Mineral Spirits**

TLV 200 mg/m<sup>3</sup>  
As total hydrocarbon vapor; Skin; (P)

**Protective hygienic measures:**

Keep away from foodstuffs and animal feed. Wash hands after use.

**Breathing equipment:**

A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure.

**Protection of hands:**

Use suitable respiratory protective device in case of insufficient ventilation.

**Eye protection:**

Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Tightly sealed goggles

**9 Physical and chemical properties:****General Information:**

**Form:** Aerosol  
**Color:** According to trade name description in section 1.  
**Odor:** Solvent  
**Boiling point/Boiling range:** -44°C (-47°F)

**Flash point:** -19°C (-2°F)**Ignition temperature:** 365.0°C (689°F)**Auto igniting:** Product is not self-igniting.

**Danger of explosion:** Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit.  
In use, may form flammable/explosive vapour-air mixture.

**Lower Explosion Limit:** 1.2 Vol %**Upper Explosion Limit:** 13.0 Vol %**Vapor Pressure:** 40 PSI, 2750 hPa**Density:** Not determined.**Specific Gravity:** Between 0.77 and 0.90 (Water equals 1.00)**VOC content:** 0.46 kg/l / 3.82 lb/gl**VOC in weight percent (less acetone):** 45.7 %**Solids content:** 17.2 %**10 Stability and reactivity:****Conditions to be avoided:** Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.**Possibility of Hazardous Reactions:**

No dangerous reactions known.

**11 Toxicological information:****Primary effect on the skin:** No irritant effect.**Primary effect on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

Harmful

**12 Ecological information****Other information:** This product does not contain any chloroflourocarbons (cfc's), chlorinated solvents, or lead. No specific ecological data is available for this product.**13 Disposal considerations****DISPOSAL METHOD:** Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans cannot be disposed of with regular trash. Do not heat or cut empty containers with electric or gas torches.**Recommendation:** Empty cans should be recycled.**14 Transport information:****Hazard class:** 2.1

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**Trade name: IMPORT MAGNESIUM**

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**Identification number:** N/A  
**Label** 2.1  
**ADR/RID class:** 2 5F Gases  
**UN-Number:** 1950  
**IMDG Class:** 2  
**Packaging group:** II  
**EMS Number:** F-D,S-U  
**Marine pollutant:** No  
**ICAO/IATA Class:** 2.1  
**Propper shipping name:** Aerosols, Flammable  
 Consumer Commodity ORM-D

## 15 Regulations

### SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

### SARA Section 313 (Specific toxic chemical listings):

108-88-3 | toluene

### TSCA (Toxic Substances

**Control Act):** All ingredients are listed.

### PROPOSITION 65 Chemicals known to cause cancer:

100-41-4 | ethyl benzene

### PROPOSITION 65 Chemicals known to cause reproductive toxicity:

108-88-3 | toluene

**Canadian WHMIS:** Class A, B5---Flammable Aerosols**EPA:** A= Known human carcinogen B= Probable human carcinogen

C= Possible human carcinogen

D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

67-64-1 | acetone | D

108-88-3 | toluene | D

**IARC:** Group 2B: The ingredient is possibly carcinogenic to humans. There is limited evidence of carcinogenicity.

Group 3: The ingredient is unclassifiable as to its carcinogenicity to humans.

108-88-3 | toluene | 3

### ACGIH TLVs:

A1-designates a confirmed human carcinogen.

A2-designates a suspected human carcinogen.

A3-designates an animal carcinogen.

A4-designates "not classifiable as a human carcinogen".

67-64-1 | acetone | A4

108-88-3 | toluene | A4

### NIOSH:

1333-86-4 | Carbon black

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.