



Safety Data Sheet
According to Hazard Communication Standard (29 CFR 1910.1200)

SOAPSTONE

Version 1.0

Issue date: 02/03/2015

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1. Identification

Product name SOAPSTONE
Synonyms Talc (Mg₃H₂(SiO₃)₄)
CAS # 14807-96-6
Product code -
Product use For the temporary marking of metal surfaces during welding and fabrication.
Manufactured for:

Hobart Welding Products
N855 Mayflower Drive
Appleton WI 54913

Emergency telephone Number: +86-82307691

2. Hazard(s) identification

GHS classification

Physical hazards Not classified
Health hazards Not classified
Environmental hazards Not classified

GHS label elements

Hazard Pictograms No hazard pictogram is used.
Signal word No signal word is used.
Hazard statement Not applicable.

Precautionary statement

Prevention Not applicable.
Response Not applicable.
Storage Not applicable.
Disposal Not applicable.

3. Composition / information on ingredients

Components	CAS#	Percent
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	100%

4. First-aid Measures

First aid procedures

Eye contact Flush eyes with water as a precaution.
Skin contact! Wash off with soap and plenty of water. Consult a physician.
Inhalation! If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.
Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water.
Consult a physician.



Notes to physician

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Flammable properties

Not available.

Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Not available.

Firefighting equipment/instructions

Keep personnel removed and upwind of any fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection SCBA).

Hazardous combustion products

Magnesium oxide, silicon oxides.

6. Accidental release measures

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing mist or dust. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling

Avoid contact with skin and eyes. Avoid formation of dust. Provide appropriate exhaust ventilation at places where dust is formed.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls / personal protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Silicates - Mica /Silicates - Soapstone /Silicates-Soapstone / Silicates -Talc /Silicates -Tremolite, asbestiform	0.1mg/m ³	Not Available	Not Available	See Table Z-3;less than 1% crystalline silica(respirable dust) / See Table Z-3;less than 1% crystalline silica, total dust / See Table Z-3;less than 1% crystalline silica, respirable dust/ less than 1% crystalline silica; see 29 CFR 1910.1001;See Table Z-3;(containing asbestos); use asbestos limit; (STEL (Excursion limit)(as averaged over a sampling period of 30 minutes)) / less than 1% crystalline silica; See Table Z-3, (containing no asbestos), respirable dust / (as quartz), respirable dust; less than 1% crystalline silica; see

						1910.1001;(STEL (Excursion limit)(as averaged over a sampling period of 30 minutes))
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Silicates: Mica / Silicates: Soapstone / Silicates: Talc / Silicates: Tremolite, asbestiforms	0.1 f/cc / 20 mppcf	Not Available	Not Available	(less than 1% crystalline silica) / (containing asbestos) Use asbestos limit;(less than 1% crystalline silica) / (see 29 CFR 1910.1001);(less than 1% crystalline silica)
US ACGIH Threshold Limit Values (TLV)	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Talc – Containing no asbestos fibers / Talc –Containing asbestos fibers	2 mg/m ³	Not Available	Not Available	TLV® Basis: Pulm fibrosis; pulm func / TLV® Basis: Use Asbestos TLV®
US NIOSH Recommended Exposure Limits (RELs)	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Massive talc, Soapstone silicate, Steatite / Hydrous magnesium silicate, Steatite talc	6 (total), 3 (resp) mg/m ³ / 2 (resp) mg/m ³	Not Available	Not Available	Not Available

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	2 mg/m ³	2 mg/m ³	2.6 mg/m ³

Ingredient	Original IDLH	Revised IDLH
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	N.E. mg/m ³ / N.E. ppm	1000 mg/m ³

Exposure controls:

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment:

- Eye / face protection** Safety glasses with side-shields.
- Skin protection** Handle with gloves. Immersion protection: Material: Nitrile rubber, Minimum layer thickness: 0.11 mm, Break through time: > 480 min; Splash protection: Material: Nitrile rubber, Minimum layer thickness: 0,11 mm, Break through time: > 30 min.
- Respiratory protection** Dust respirator.
- General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and chemical properties

Appearance

Physical state	Solid
Form	Powder
Color	White
Odor	Not available
Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Melting point/Freezing point	800 °C
initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Not available
Vapor density	Not available
Relative density	Not available
Solubility (water)	Insoluble
Partition coefficient	Approximately 1
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Specific gravity	>1
Density	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	0%
Percent volatile	Not available
Other data	
Viscosity	Not available

10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials.
Incompatible materials	Oxidizing agents.
Hazardous decomposition products	Magnesium oxide, silicon oxides.
Possibility of hazardous reactions	No hazardous reactions when stored and handled according to instructions.

11. Toxicological information!

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat):	Not available
LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Not classified



Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

12. Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	No known significant effects or critical hazards.

13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Basic shipping requirements:

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	No

IATA

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

IMDG

UN number	Not regulated
UN proper shipping name	Not regulated



Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

15. Regulatory information

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

Talc (Mg₃H₂(SiO₃)₄) (14807-96-6) is found on the following regulatory lists	"US - Idaho - Toxic and Hazardous Substances - Mineral Dust", "US - Idaho - Limits for Air Contaminants", "US - Hawaii Air Contaminant Limits", "US - Wyoming Toxic and Hazardous Substances Table Z-3 Mineral Dusts", "US – Alaska Limits for Air Contaminants", "US ACGIH Threshold Limit Values (TLV)", "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory", "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants",
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16. Other information, including date of preparation or last revision

HMIS® ratings	Health: 0 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 1 Instability: 0
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available.
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