

SAFETY DATA SHEET

COLDSHIELD GEL

Health = 0
Reactivity = 0
Flammability = 0

9-9-14

SECTION I - IDENTIFICATION

ColdShield Gel – is a heat shield and heat absorbing material used in soldering, brazing and welding operations

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SECTION II – HAZARD IDENTIFICATION

The major components of the formulation comprising water and clay mineral (CAS # 53320-86-8) which is commonly used in toothpaste and cosmetic preparations. A small amount of salt (CAS # 7632-00-0) is used to aid in viscosity modification. This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION III – Composition / Information on Ingredients

Non-Flammable solid consisting of water, clay material (CAS # 53320-86-8) and salt (CAS # 7632-00-0).

Non-Harmful or Hazardous

No components are believed to be hazardous, or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 2012, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PEL,s are established for any of the other ingredients.

SECTION IV – FIRST AID MEASURES

EXPOSURE LIMITS:

OSHA PEL: Not Established ACGIII TEL: Not Established

ROUTES OF ENTRY:

Inhalation: Yes Skin: Yes Ingestion: Yes

Signs and Symptoms of Exposure

Skin: Negligible hazard. Not a primary skin irritant. Semi -Liquid with pH 9.5.

Eyes: Hazard evaluated very low.

Inhalation: Hazard evaluated very low. May cause slight irritation of the throat,

Ingestion: Hazard is extremely low. Material is considered non-toxic. Nausea and diarrhea could occur in extreme cases

First Aid

Eyes: Immediately flush eyes with large amounts of water for at least 1 minute. Seek medical aid if irritation persists.

Skin: Flush affected area and wash with water.

Inhalation: Negligible. Remove to fresh air and give CPR if unconscious.

Ingestion: Drink water. Obtain medical attention if necessary.

Carcinogenicity

NTP? No IARC? No OSHA Regulated? No

SECTION V - FIRE AND EXPLOSION MEASURES

Flash Point: Not applicable **Flammable Limits:** Non-flammable

LEL: Not applicable **UEL:** Not applicable

Extinguishing media: Not applicable **Special Fire Fighting Procedures:** None

Unusual Fire and Explosion Hazards: None

SECTION VI – ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures

Pick up as much of spilled material as possible and rinse affected area with water.

Spill response: material is solid or semi-solid and can be picked up and disposed of in accordance with local government regulations for non-hazardous material.

SECTION VII – HANDLING AND STORAGE

Spill or Leak Procedures

Pick up as much of spilled material as possible and rinse affected area with water.

Waste Disposal Method

Dispose as non-hazardous waste in accordance with local regulations.

Storage and Handling Precautions

Store in temperatures from 35°F to 100°F in closed containers to prevent evaporation and deterioration. Freezing will destroy integrity of the product.

Other Precautions

Although components have low hazard levels, the product will remove oils from the skin like the common soap. Avoid prolonged skin contact.

SECTION VIII – EXPOSURE CONTROL AND PERSONAL PROTECTION

Respiratory Protection

Not required

Ventilation

Under ordinary conditions of use for its intended purpose, no special ventilation is required

Protective Gloves

Wear if there is prolonged skin contact

Eye Protection

Wear if needed to prevent reasonable probability of eye contact.

Work/Hygienic Practices

Do not ingest, splash into eyes, and do not inhale for prolonged periods. Wash hands and clothing after using if there is reasonable probability of contact with the product.

SECTION XI - PHYSICAL/CHEMICAL PROPERTIES

<u>Boiling Point:</u>	NA	<u>Vapor Pressure (mm Hg):</u>	NA
<u>Solubility in water:</u>	>95%	<u>Specific Gravity:</u>	1.0 @ 60°F
<u>pH:</u>	9.5	<u>Appearance & Odor:</u>	Translucent gel, no odor
<u>Freezing Point:</u>	32°F	<u>Melting Point:</u>	NA
<u>Flammability:</u>	NA	<u>Decomposition Temperature:</u>	>5000°F

SECTION X – STABILITY AND REACTIVITY

<u>Stability:</u>	Stable	<u>Incompatibility:</u>	strong acids and strong oxidizing agents
<u>Hazardous Decomposition Products:</u>	“negligable” amounts of Carbon monoxide and carbon dioxide		
<u>Conditions to Avoid:</u>	Freezing 32°F or less		
<u>Hazardous Polymerization:</u>	Will not occur		

SECTION XI - TOXICOLOGICAL INFORMATION

Toxicity: Low acute toxicity (LD 50 – oral – rat > 8g/kg)
Long Term – There are no known or foreseeable long term effects from exposure.

SECTION XII - ECOLOGICAL INFORMATION

Soluble inorganic components are 100% biodegradable. Colloidal mineral component is completely inert and may be introduced into the environment without consequence.

SECTION XIII – DISPOSAL CONSIDERATIONS

Product may be disposed of through incineration or other methods in accordance with local governmental regulations. Always contact a licensed, permitted treatment, storage and disposal facility to assure compliance with all local and state governmental regulations

SECTION XIV – TRANSPORT INFORMATION

IMO Hazard Class and Number: Non-hazardous **UN Number:** Not applicable
US DOT Hazard Class: Not regulated by DOT **US DOT Identification Number:** Not applicable

SECTION XV – REGULATORY INFORMATION

TSCA: Components listed	CERCLA: No reportable ingredients
OSHA: Not regulated	RCRA: No reportable ingredients
SARA TITLE III: Section 302: No reportable ingredients	Section 311/312: No reportable ingredients
Section 313: No reportable ingredients	
WHMIS: No reportable ingredients	CWA / CAA: No reportable ingredients
No State reportable ingredients	

SECTION XVI – OTHER INFORMATION

HMIS Rating: Health: 0 Flammability: 0 Reactivity: 0
DATE September 9, 2014

The information presented in this MSDS is believed to be factual. However, nothing contained in this information is to be taken as a warranty of any kind by Dytec Services, Inc. The user should review any recommendations, in the specific context of the intended use, to determine whether they are appropriate.