

**SAFETY DATA SHEET**  
**COLDSHIELD PASTE**

Health = 0  
 Reactivity = 0  
 Flammability = 0

6-15-14

**SECTION I - IDENTIFICATION**

**ColdShield Paste** – is a heat shield and heat absorbing material used in soldering, brazing and welding operations  
 DYTEC SERVICES, INC.  
 P.O. BOX 1925  
 GREER, SC 29651  
 Phone 864-879-8174 – also for emergency  
 FAX: 864-879-8174

**SECTION II – HAZARDOUS INGREDIENTS**

The major components of the formulation comprising water and clay mineral (CAS # 53320-86-8) which is commonly used in cosmetic preparations. A small amount of salt (CAS # 7632-00-0 ) is used to aid in viscosity modification. Health and environmental testing shows very low hazard levels. No components are believed to be hazardous, or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERCLA, or RCRA. No OSHA PEL,s are established for any of the ingredients. No hazard warnings on labels. Labels should include Do Not Freeze

**SECTION III – HAZARDS IDENTIFICATION**

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, 1988, 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                      ACGIH 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.    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**

**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 - PRECAUTIONS FOR SAFE HANDLING AND USE

### 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 MEASURES

### 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 CHARACTERISTICS

<u>Boiling Point:</u>	NA	<u>Vapor Pressure (mm Hg):</u>	NA
<u>Solubility in water:</u>	>90%	<u>Specific Gravity:</u>	1.0 @ 60°F
<u>pH:</u>	9.5	<u>Appearance &amp; 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 DATA

<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 DATA

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 DATA

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

