



# TS 482

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015  
Date of issue: 6/13/2016 Revision date: 6/13/2016 Version: 1.0

### SECTION 1: Identification

#### 1.1. Product Identifier

Product name : TS 482

#### 1.2. Relevant Identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Adhesive

#### 1.3. Details of the supplier of the safety data sheet

Halltech Inc.  
465 Coronation Drive  
Scarborough ON, M1E 2K2 - Canada  
T 416-284-6111

#### 1.4. Emergency telephone number

Emergency number : CANUTEC 1 (888) 226-8832 (24 hr) or cellular (Canada only) \*666

### SECTION 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

GHS classification : Not classified

#### 2.2. Label elements

GHS labeling : No labelling applicable

#### 2.3. Other hazards

No additional information available.

#### 2.4. Unknown acute toxicity (GHS)

Not applicable.



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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substance

Not applicable.

#### 3.2. Mixture

Unlisted ingredients are not 'hazardous' as per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

Components	CAS No.	% by weight

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause respiratory tract irritation.
- Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying,



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- Symptoms/injuries after eye contact : defatting and cracking of the skin.  
: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Treat for surrounding material.  
Unsuitable extinguishing media : None Known.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

### 5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Cool closed containers exposed to fire with water spray.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 6.2. Methods and material for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand,



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Methods for cleaning up : vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).  
: Scoop up material and place in a disposal container.

### 6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.  
Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a cool place. Keep from freezing.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available.



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### 8.2. Exposure Controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable gloves.
Eye Protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Opaque
Color	: White
Odor	: Mild
Odor threshold	: No data available
pH	: 4 - 5
Melting point	: No data available
Freezing point	: $\approx 0$ °C (32 °F)
Boiling point	: $\approx 100$ °C (212 °F)
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: 1.06 - 1.08
Relative vapor density at 20 °C	: No data available
Solubility	: Dilutable emulsion
Partition coefficient: n-octanol/water	: No data available



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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity (CPS)	: 1,160 - 1,440
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

### 9.2. Other information

No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Heat. Incompatible materials.

### 10.5. Incompatible materials

Strong acids. Inorganic salts.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.



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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

Acute toxicity : Not classified

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LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat	No data available

- Skin corrosion/irritation : Based on available data, the classification criteria are not met.
- Serious eye damage/irritation : Based on available data, the classification criteria are not met.
- Respiratory or skin sensitization : Based on available data, the classification criteria are not met.
- Germ cell mutagenicity : Based on available data, the classification criteria are not met.
- Carcinogenicity : Based on available data, the classification criteria are not met.
- Reproductive toxicity : Based on available data, the classification criteria are not met.
- Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.
- Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.
- Aspiration hazard : Based on available data, the classification criteria are not met.
- Symptoms/injuries after inhalation : May cause respiratory tract irritation.
- Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - general : May cause long-term adverse effects in the aquatic environment.

**12.2. Persistence and degradability**

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Persistence and degradability	Not established.



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### 12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

## SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)  
In accordance with DOT/TDG : Not regulated for transport

#### Additional information

Other information : No supplementary information available.  
Special transport precautions : Do not handle until all safety precautions have been read and understood.

## SECTION 15: Regulatory information

### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.





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All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

### 15.2. US State regulations

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State or local regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

### SECTION 16: Other information

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Other information : None.

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N/AP = Not Applicable