

# SAFETY DATA SHEET



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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Release Agent  
**Product Number:** TIS-013  
**Date Prepared/Revision:** August 8, 2016  
**Responsible name:** Regulatory and Safety Compliance  
**Relevant uses of this product:** For Release and anti-blocking of various coating and adhesive materials.

## SECTION 2. HAZARDS IDENTIFICATION

**OSHA** This material is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Skin sensitization  
Non-Sensitizer

Acute aquatic toxicity  
Not Determined

### GHS label elements

**Signal Word**

**Caution**

May cause an allergic skin reaction

**Pictograms**

**Not required**

**Appearance**

White

**Physical State**

Paste Like Liquid

**Odor**

Slight Soapy

### Precautionary Statements

**General**

Read label before use. Keep out of reach of children. If medical advice is needed have product container, label or this SDS at hand.

**Prevention**

Read special instructions before using  
Do not handle until all safety precautions have been read and understood  
Do not breathe mist/vapors/sprays  
Wear protective gloves/clothing/and eye protection  
Contaminated work clothing should not be allowed out of the workplace.  
Avoid release to the environment

**Response**

If exposed or concerned: Get medical attention.  
If on Skin: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical attention.  
Wash contaminated clothing before reuse  
Get medical attention if you feel unwell

**Technical Industrial Sales, (TIS-013)**

<b>Storage</b>	Store secured and locked up
<b>Disposal</b>	Dispose of contents/container at an approved waste disposal plant.
<b>Hazards not otherwise Classified (HNOC)</b>	Not applicable.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Substance/Mixture</b>	Mixture	
<b>Ingredient name</b>	<b>%</b>	<b>CAS number</b>
Potassium Salts of Carboxylic Acid	20-22%	61790-44-1

Occupational exposure limits, if available are listed in Section 8.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**SECTION 4. FIRST AID MEASURES**

**Description of necessary first aid measures.**

<b>General Advice</b>	In case of accident or if you feel unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>EYE CONTACT</b>	Immediately flush with large quantities of clean water for at least 15 minutes, lifting upper and lower eyelids occasionally. Check for and remove any contact lenses. Get medical attention if irritation persists.
<b>INHALATION</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if cough or other respiratory symptoms occur.
<b>SKIN CONTACT</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation or rash occurs. Repeated or prolonged skin contact with liquid may cause irritation. Wash contaminated clothing before reuse.
<b>INGESTION:</b>	If swallowed, DO NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips, or if patient is lying down, turn body and head to side to prevent aspiration and monitor for breathing difficulty. Get immediate medical attention.

**Most important symptoms/effects, acute and delayed with overexposure**

**Adverse health effects** Contact may cause skin dermatitis and/or irritation.

**Indication of immediate medical attention and special treatment needed**

**Notes to physician** INGESTION: Do not induce vomiting. Low viscosity product can be sucked into the lungs and cause damage after swallowing or vomiting. Consult standard literature or contact a poison control center for treatment.

## Section 5. Fire-fighting measures

### Extinguishing Media

#### **Suitable extinguishing media**

For small fires, Class B fire extinguishing media such as CO<sub>2</sub>, dry chemical, foam or water spray can be used. For large fires, water spray, fog or foam can be used. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.

#### **Unsuitable extinguishing media**

Do not use straight water streams to avoid spreading fire.

#### **Specific hazards arising from the chemical**

This product is not a flammable liquid per the OSHA Hazard Communication Standard,

#### **Hazardous combustion products**

Smoke, carbon monoxide, and other products of incomplete combustion.

#### **Explosion data**

<b>Sensitivity to Mechanical Impact</b>	No
<b>Sensitivity to Static Discharge</b>	No

#### **Special protective equipment and precautions for firefighters**

Fire-fighters should wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA) with a full face-piece, as appropriate. Avoid using straight water streams. Water spray and foam (AFFF/ATC) must be applied carefully to avoid frothing and from as far a distance as possible. Avoid excessive water spray application. Keep surrounding area cool with water spray from a distance and prevent further ignition of combustible material. Keep run-off water out of sewers and water sources.

## SECTION 6. ACCIDENTAL SPILL OR RELEASE PROCEDURES

**Personal precautions:** Keep public away. Isolate and evacuate area. Shut off source if safe to do so. Eliminate all ignition sources. All contaminated surfaces will be slippery.

**Protective equipment:** Use personal protection measures as recommended in Section 8.

**Emergency procedures:** Advise authorities and National Response Center (800-424-8802) if the product has entered a water course or sewer. Notify local health and pollutions control agencies, if appropriate.

**Environmental Precautions:** Avoid release to the environment. Avoid subsoil penetration.

**Methods and materials for containment:** Contain liquid with sand or dry soil

**Methods and materials for cleaning up:** Use suitable absorbent materials such as vermiculite, sand or clay to clean up residual liquids. Recover and return free product to proper containers. Clean contaminated surface thoroughly. Small quantities can be flushed to a sanitary sewer.

## SECTION 7. HANDLING AND STORAGE

- Safe handling precautions:** NEVER SIPHON THIS PRODUCT BY MOUTH. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. Avoid repeated and prolonged skin contact.
- Storage Conditions:** Store in properly closed containers that are appropriately labeled and in a cool, well-ventilated area.
- Incompatible materials:** Strong oxidizing agents.
- Recommended general Occupational hygiene** Eating, drinking, smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe Storage, including and Incompatibilities** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION EQUIPMENT

### Control parameters

#### Occupational exposure limits

Ingredient name

ACGIH TLV

OSHA PELs

NIOSH IDLH

None

#### **Engineering measures**

Ensure adequate ventilation, especially in confined areas. Local or general exhaust required when using at elevated temperatures that generate vapors or mists. Use mechanical ventilation equipment that is explosion-proof.

#### Individual protection measures

##### **Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to eyes. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection:  
Safety glasses with side shields.

##### Skin protection

##### **Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.



**Technical Industrial Sales, (TIS-013)**

**Respiratory protection**                      None required under normal application and use of this product.

**Hygiene measures:**                              Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State:                      Liquid Emulsion  
Color:                                      White  
Odor:                                      Mild Soap  
Boiling Point:                         >200 deg. F  
Vapor Pressure:                        Not Available  
Vapor Density:                        Not Available  
Specific Gravity:                      0.88  
Wt./gal:                                 7.33  
Percent Volatiles:                    Approx. 78-80% by Vol. (as Water)  
VOC:                                      0.0  
HAPS:                                    None  
Evaporation Rate:                    Not determined for product  
PH:                                        10-10.7  
Flash Point:                            Non-flammable  
Flammability:                         Non-flammable  
Solubility:                              Dispersible in Water

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity:**                                Not available for product  
**Chemical stability:**                      This product is stable  
**Hazardous reactions:**                    Will not occur  
**Conditions to Avoid:**                    None Known  
**Incompatibility:**                         No specific data  
**Hazardous Decomposition:**            Under normal use, hazardous decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

<u>Acute toxicity</u>	<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
	LD50 Oral		Rat	>5 g/kg	NA

**Irritation/Corrosion**                      Not Available  
**Sensitization**                                Not Available  
**Mutagenicity**                                 Not Available  
**Carcinogenicity**                             Not Available

**Technical Industrial Sales, (TIS-013)**

**Classification**

<u>Product/ingredient name</u>	<u>OSHA</u>	<u>IARC</u>	<u>NTP</u>
Carboxylic Acid Soap	NA	NA	NA

**Reproductive Toxicity**

Not Available

**Teratogenicity**

Not Available

**Specific target organ toxicity (single or repeated exposure)**

Not Available

**Aspiration Hazard**

Not Available

**Likely routes of exposure**

Routes of entry anticipated: Dermal, Inhalation

**Potential chronic health effects**

Not Available

**Conclusion/Summary**

Handling and/or processing of this material may cause severe irritation of the eyes..

**General**

No known significant effects or critical hazards

**Carcinogenicity**

No known significant effects or critical hazards

**Mutagenicity**

No known significant effects or critical hazards

**Teratogenicity**

No known significant effects or critical hazards

**Developmental effects**

No known significant effects or critical hazards

**Teratogenicity**

No known significant effects or critical hazards

**Fertility affects**

No known significant effects or critical hazards

**Acute toxicity estimates**

Not Available

**SECTION 12. ECOLOGICAL INFORMATION**

**Toxicity**

Not Available

**Persistence and degradability**

Not Available

**Other adverse effects**

No known significant effects or critical hazards

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

EPA HAZARDOUS WASTE CODE: NONE

Generation of wastes should be avoided or minimized. Product must be disposed of properly by a licensed waste disposal contractor under Federal and State regulations for industrial wastes. Recommended disposal is incineration or Disposal in a Class D landfill of absorbed wastes pending approval. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

As delivered, this product when spilled, released or disposed of, is a non-hazardous waste as defined in RCRA regulations 40 CFR Part 261.

**SECTION 14. TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME: Release Agent (TIS-013)  
DOT HAZARD CLASS: None  
DOT IDENTIFICATION NO. None  
DOT PACKING GROUP: None  
DOT RQ FOR PRODUCT: NA  
DOT MARINE POLLUTANT: NA

TDG NAME: Release Agent (TIS-013)  
TDG CLASS: None  
PIN NUMBER: None  
WHMIS: D 2 B

**SECTION 15. REGULATORY INFORMATION**

**U.S. Federal regulations**                      **United States inventory:** The ingredients of this product are listed on or exempted by the United States inventory (TSCA 8b).

**SARA 311/312**  
Classification                      Not Applicable

**California Prop. 65**  
**WARNING:**                      This product does not contain chemicals known to the State of California to cause cancer.

**Ingredient name**                      **Cancer**                      **Reproductive**

**WHMIS (Canada):**                      Class D-2A Material causing other toxic effects  
**Canada Inventory**                      All components are listed or exempted

**International regulations**

<b>International lists</b>	<b>Australia inventory (AICS)</b>	Not Determined
	<b>China inventory (IECSC)</b>	Not Determined
	<b>Japan inventory</b>	Not Determined
	<b>Korea inventory</b>	Not Determined
	<b>Malaysia inventory (EHS Register)</b>	Not Determined
	<b>New Zealand inventory of Chemicals (NZIoC)</b>	Not Determined
	<b>Philippines inventory (PICCS)</b>	Not Determined
	<b>Taiwan inventory (CSNN)</b>	Not Determined

European Chemical Agency:                      This product does not contain any ECHS substances.

**SECTION 16. OTHER INFORMATION**

<b>National Fire and Protection Association (U.S.A)</b>	<b>HMIS</b>
<b>Health</b> <b>1</b>	<b>Health</b> <b>1</b>
<b>Flammability</b> <b>0</b>	<b>Flammability</b> <b>0</b>
<b>Instability/ Reactivity</b> <b>0</b>	<b>Physical Hazards</b> <b>0</b>
	<b>Personal Protection</b> <b>X</b>

**Notice to reader**  
**To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier assumes any liability whatsoever for the accuracy or completeness of the information contained herein.**  
**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**