



# TCS Mold Release Spray

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Friday, April 10, 2015 / Rules and Regulations

Revision date: 04/010/2015 Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : TCS Mold Release Spray  
Product form : Liquid  
Other means of identification : Spray Lubricant

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

Use of the substance/mixture : Parts lubricant

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

Thermoplastic Comfort Systems, Inc  
2619 Lime Ave.  
Signal Hill, CA 90755  
(562)-426-2970

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

**POTENTIAL ACUTE :** (single or short term) HEALTH EFFECTS OF OVEREXPOSURE

**Eye:** May cause eye irritation. Symptoms may include stinging, tearing, and redness.

**Skin:** : Liquid may cause frostbite.

**Ingestion:** Ingestion is not considered a potential route of exposure. No evidence of harmful effects from available information.

**Inhalation:** Breathing small amounts during handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Inhalation of concentrations above the recommended limits may cause temporary central nervous system depression with anesthetic effects such as dizziness, headache, incoordination, and loss of consciousness. Exposure to high concentrations can cause irregular heartbeat, cardiac arrest and death.

**POTENTIAL CHRONIC:** (long term) HEALTH EFFECTS OF OVEREXPOSURE

**General Effects:** Overexposure to vapor, dust or mist may aggravate respiratory conditions, such as asthma, bronchitis, and inflammatory or fibrotic respiratory disease.

**Cancer Information:** THIS PRODUCT CONTAINS NO COMPONENTS LISTED AS CARCINOGENIC BY IARC, NTP, OR OSHA 1910(z)

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Component:	CAS#	ACGIH TLV	OSHA PEL(Exposure Limits)	OTHER
Halogenated hydrocarbon/ether blend	Mixture	Not established	Not established	Not established
NJ Trade Secret Registry	#80100382-5037P	Not established	Not established	Not established

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing. If breathing is difficult, give oxygen and seek immediate medical attention.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. Treat for frostbite if necessary.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If symptoms persist or there is visual difficulty, seek medical attention.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : CO2, foam or dry chemical.

# TCS Mold Release Spray

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Friday, April 10, 2015 / Rules and Regulations

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

- Fire Hazard : Product is flammable.
- Explosion Hazard : Containers may rupture or explode under fire conditions.
- Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

- Fire and/or Explosion Hazards : This product contains a component(s) that is considered an extremely flammable gas(es), which has vapors that are heavier than air and may travel along the ground or be move by ventilation and ignited by heat, pilot lights, or other flames and ignition sources at locations distant from the materials handling point. Containers may rupture or explode under fire conditions. Hazardous decomposition products may be formed.
- Firefighting instructions : CO2, foam or dry chemical.. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion. Avoid contact with sprayed water - material slippery when wet.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.
- Aerosol Flame Projection Test : Non-flammable aerosol, as determined by ASTM D3065-94. However, this product contains components which may ignite under certain circumstances. Do not use near ignition sources such as sparks or open flames.

## SECTION 6: Accidental release measures

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

- General measures : No specific emergency measures are required other than good laboratory hygiene and safety practices. Avoid exposure to sparks and/or open flame.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear Protective equipment as described in Section 8.

#### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection.

### 6.2. Environmental precautions

- Steps to be taken if material is released : Ventilate contaminated area. Remove all sources of ignition. Wear appropriate personal protective equipment (PPE).

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

- For containment : Stop or reduce discharge if it can be done safely. Avoid runoff into storm sewers and ditches which may lead to natural waterways.
- Methods for cleaning up : Clean up with absorbant material. Place absorbent materials into container and close it tightly. Dispose of container properly.

### 6.4. Reference to other sections

- No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Use with adequate ventilation. Do not use near ignition sources. Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Normal precautions common to safe manufacturing practice should be followed in handling and storage.
- Do not handle until all safety precautions have been read and understood. Wear recommended personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

- Storage conditions : Store in a dry, cool and well-ventilated place away from all sources of ignition. Do not store at temperatures above 120degF. Empty container may contain residues which are hazardous. Store away from incompatible materials such as materials that support combustion and corrosive materials. Store away from oxygen cylinders.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

- No data available

### 8.2. Exposure controls

- Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas

# TCS Mold Release Spray

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Friday, April 10, 2015 / Rules and Regulations

Personal protective equipment : Gloves. Protective goggles.



Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

Eye protection : Use eye protection suitable to the environment. Avoid direct contact with eyes. Have an eye wash station available.

Skin and body protection : Recommended: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection : Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

### SECTION 9: Physical and chemical properties

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

Physical state : Liquid in aerosol can

Appearance : Clear colorless

Color : Clear colorless

Odor : Slight ethereal

Odor Threshold : No data available

pH : Not applicable

Relative evaporation rate (butylacetate=1) : 0.5-2 (n-Butyl acetate = 1)

Melting point : No data available

Freezing point : No data available

Boiling point : Not applicable

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : 78.00 PSIG @ 70degF

Relative vapour density : Air=1 / 1.98

Relative density : No data available

Solubility : Water: Negligible

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : Not applicable

Viscosity, dynamic : Not applicable

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

#### 10.3. Conditions to avoid

Avoid contact with : Alkali. Alkaline earth metals. Freshly abraded aluminum surfaces. Powdered metals. Ignition sources, such as open flames, sparks, static discharges or glowing metal surfaces. Oxidizers, Acetic acids Organic acid anhydrides.

#### 10.4. Hazardous decomposition products

This material can be decomposed by extremely high temperatures forming hydrofluoric acid and carbonyl fluoride. If heatd with peroxide present, violent decomposition can occur. Burning can produce the followin combustion products: Carbon dioxide and carbon monoxide.

# TCS Mold Release Spray

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Friday, April 10, 2015 / Rules and Regulations

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/injuries after ingestion	: No classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

### SECTION 14: Transport information

Agency	Proper Shipping Name	UN Number	Hazard Class	Packing Group
DOT	Consumer commodity	Not applicable	ORM-D	Not applicable
IATA	Consumer commodity	Not applicable	9	Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### TCS Mold Release Spray

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

SARA Section 311/312 Hazard Classes	None
-------------------------------------	------

#### 15.2. International regulations

No additional information available.

#### 15.3. US State regulations

##### California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

# TCS Mold Release Spray

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Friday, April 10, 2015 / Rules and Regulations

### SECTION 16: Other information

Indication of changes : Revision 1.0: New SDS Created.  
Revision date : 04/10/2015  
Other information : Author: MSP.

#### HMIS III Rating

Health : 1  
Flammability : 2  
Physical : 1  
Personal Protection : See Section 8

All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, Thermoplastic Comfort System, Inc. makes no warranty, representation or guarantee as to the accuracy, sufficiency, or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his/her own use, handling and disposal of the product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Thermoplastic Comfort System, Inc. as to the effects of such use. Thermoplastic Comfort System, Inc. does not assume any liability arising out of use by others of the product referred to herein. The data in this Material Safety Data Sheet relate only to the specific material designated herein and does not relate to use in combination with any other material.