

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
 MSDS No: SPH Canister  
 Date Revised: 11/18/2009  
 Revision No: 1

## STA'-PUT SPH Canister Adhesive

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** STA'-PUT SPH Canister Adhesive

**ALTERNATE TRADE NAME(S):** Item #SPH11ABC, SPH11ABR, SPH37.5ABC, SPH37.5ABR, SPH187C, SPH187R, SPH375C2V, SPH375R2V

#### MANUFACTURER

ITW TACC  
 56 Air Station Industrial Park  
 Rockland MA 02370

**Product Stewardship:** (781) 878-7015

**Service Number:** (800) 503-6991

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300

**COMMENTS:** STA'-PUT is a registered trademark of Illinois Tool Works, Inc.

### 2. HAZARDS IDENTIFICATION

#### HAZARD DESIGNATION

"F+" - Extremely flammable

"Xn" - Harmful

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** DANGER ! Extremely flammable vapor. Vapors may cause flash fire and explosion. Contents under pressure. Harmful or fatal if swallowed. Vapors may cause dizziness, headache, nausea, drowsiness, unconsciousness and respiratory irritation. Contains methylene chloride which is harmful if inhaled. Can also cause skin and eye irritation. Methylene Chloride is a possible cancer hazard. May cause cancer based on animal data.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Can cause moderate to severe eye irritation with temporary damage possible.

**SKIN:** Prolonged or repeated contact of liquid can cause irritation, defatting of skin, and dermatitis. Prolonged single exposure can result in a progressively severe burning sensation or redness.

**SKIN ABSORPTION:** Can be absorbed through the skin but not in sufficient amounts to cause adverse effects.

**INGESTION:** Low toxicity if swallowed. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting, resulting in rapid absorption and injury to other body systems.

**INHALATION:** Inhalation is the major potential route of exposure. Exposure to high concentrations of vapor or mist can cause central nervous system depression with symptoms of headache, dizziness, stupor, loss of consciousness or death depending on concentration and duration of exposure. Exposure to high concentrations can cause irregular heartbeat, cardiac arrest and death. Overexposure has been shown to cause adverse effects on the lungs, liver, kidney, nervous system and internal organs. Carboxyhemoglobin levels can be elevated in persons exposed to methylene chloride and can cause a substantial stress on the cardiovascular system.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
 MSDS No: SPH Canister  
 Date Revised: 11/18/2009  
 Revision No: 1

## STA'-PUT SPH Canister Adhesive

**EYES:** Causes eye irritation.

**SKIN:** Mild to moderate skin irritant.

**SKIN ABSORPTION:** Can be absorbed through the skin but not in sufficient amounts to cause adverse effects.

**INGESTION:** Single dose toxicity low to moderate.

**INHALATION:** Exposure to high concentrations of vapor or mist can cause central nervous system depression with symptoms of headache, dizziness, stupor, loss of consciousness or death depending on concentration and duration of exposure. Exposure to high concentrations can cause irregular heartbeat, cardiac arrest and death. Overexposure has been shown to cause adverse effects on the lungs, liver, kidney, nervous system and internal organs.

**CHRONIC EFFECTS:** Prolonged overexposure has caused toxic effects on the liver and kidneys.

**CARCINOGENICITY:** Methylene chloride has caused cancer in certain laboratory animal tests. IARC has classified methylene chloride in Group 2B as a substance considered possibly carcinogenic to humans. Methylene chloride appears on the NTP carcinogen list.

**MEDICAL CONDITIONS AGGRAVATED:** Alcoholism, acute and chronic liver and kidney disease, chronic lung disease, anemia, coronary disease or rhythm disorders of the heart. Exposure can result in cardiac sensitization and increase the risk of cardiac arrest.

**ROUTES OF ENTRY:** Inhalation is the major potential route of entry.

**CANCER STATEMENT:** Methylene chloride has caused cancer in certain laboratory animal tests. IARC has classified methylene chloride in Group 2B as a substance considered possibly carcinogenic to humans. Methylene chloride appears on the NTP carcinogen list.

**IRRITANCY:** Slight to moderate eye and skin irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS	Classification
Dichloromethane	45 - 70	000075-09-2	2008389	Xn; 40
Hydrocarbon Propellant	25 - 50	Mixture	200-338-0	F+; 12

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

**SKIN:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.

**INGESTION:** Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
MSDS No: SPH Canister  
Date Revised: 11/18/2009  
Revision No: 1

## STA'-PUT SPH Canister Adhesive

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** -91.2°C (-132.2°F) to -104°C (-156°F) CC

**FLAMMABLE LIMITS:** 1.8 to 9.5

**AUTOIGNITION TEMPERATURE:** (788°F) to (1033°F)

**FLAMMABLE CLASS:** Class IA

**GENERAL HAZARD:** Extremely Flammable. Under Pressure.

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, dry chemical or foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrogen chloride, carbon monoxide, carbon dioxide, and trace amounts of phosgene and chlorine

**FIRE FIGHTING PROCEDURES:** Concentrated vapors can be ignited by a high intensity energy source. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Use water spray to keep fire exposed containers cool. Extinguish using an agent suitable for surrounding fire. Firefighters should wear self-contained breathing apparatus with pressure demand, full face piece SCBA (MSHA/NIOSH approved or equivalent) and full protective gear.

**SENSITIVE TO STATIC DISCHARGE:** Not Applicable

**SENSITIVITY TO IMPACT:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride and trace amounts of phosgene and chlorine.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.

**LARGE SPILL:** Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
 MSDS No: SPH Canister  
 Date Revised: 11/18/2009  
 Revision No: 1

## STA'-PUT SPH Canister Adhesive

body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. Flammable vapors may cause flash fire or ignite explosively. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container. Do not cut, drill, grind, or expose containers to heat, sparks, static electricity or other source of ignition. Explosion may occur causing injury or death.

**HANDLING:** Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

**STORAGE:** Keep container closed when not in use. Store in a dry well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container.

**STORAGE TEMPERATURE:** 15.5°C (60°F) Minimum to 35°C (95°F) Maximum

**SHELF LIFE:** 1 year from manufacture date

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Dichloromethane	<b>TWA</b>	25 ppm <sup>[1]</sup>	NL <sup>[1]</sup>	50 ppm	174 mg/m <sup>3</sup>
	<b>STEL</b>	125 ppm	NL	NL <sup>[2]</sup>	NL <sup>[2]</sup>
Hydrocarbon Propellant	<b>TWA</b>	1000 ppm	1800 mg/m <sup>3</sup>	800 ppm	NL
	<b>STEL</b>	NL <sup>[2]</sup>	NL <sup>[2]</sup>	NL <sup>[2]</sup>	NL <sup>[2]</sup>
<b>Footnotes:</b>					
1. OSHA limits per 29 CFR 1910.1052					
2. NL = Not Listed					

**ENGINEERING CONTROLS:** Provide sufficient explosion proof mechanical (general and/or local exhaust) ventilation to maintain exposure below the occupational exposure limit and exposure concentration. Use only in a well ventilated area. Ground and bond all equipment.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields. A face shield may be necessary if spraying the product.

**SKIN:** Wear chemical resistant gloves such as Viton, PVA or equivalent. Wear chemical protective clothing & boots to prevent repeated or prolonged skin contact.

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
MSDS No: SPH Canister  
Date Revised: 11/18/2009  
Revision No: 1

## STA'-PUT SPH Canister Adhesive

**RESPIRATORY:** Where vapor concentrations exceed or are likely to exceed the occupational exposure limits, a NIOSH approved continuous flow supplied air respirator, hood or helmet is recommended. A NIOSH approved self-contained positive pressure breathing apparatus with full face piece is required for spills and/or emergencies.

**WORK HYGIENIC PRACTICES:** Wash hands thoroughly after use.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mildly sweet odor

**COLOR:** Clear or Red

**PERCENT VOLATILE:** 84.1

**Notes:** by weight

**BOILING POINT:** -41.8°C (-43.2°F)

**FLASHPOINT AND METHOD:** -91.2°C (-132.2°F) to -104°C (-156°F) CC

**EVAPORATION RATE:** < 1.0 (n-Butyl Acetate=1)

**DENSITY:** 8.07 lbs/gal

**SPECIFIC GRAVITY:** 0.970

**(VOC):** 530.100 gr/L EPA Method 24 VOC

**Notes:** Photochemically Reactive Only VOC: 339.0 gr/L

**COMMENTS:** 3.10 lb VHAP/lb Solid  
49.1% by weight HAP

### 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable.

**POLYMERIZATION:** Product will not undergo polymerization.

**CONDITIONS TO AVOID:** Avoid contact with open flame, electric arcs, or other hot surfaces which can cause thermal decomposition.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None Expected.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride and trace amounts of phosgene and chlorine.

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
 MSDS No: SPH Canister  
 Date Revised: 11/18/2009  
 Revision No: 1

## STA'-PUT SPH Canister Adhesive

**INCOMPATIBLE MATERIALS:** Strong alkalis, oxygen, nitrogen peroxide, sodium, potassium, and other oxidizers and reactive metals.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Dichloromethane	1500 to 2500 mg/kg	No data	14400 ppm (7-hr dose - mouse)
Hydrocarbon Propellant	No data	No data	No data

**CHRONIC:** Adverse effects on the liver and kidneys have been reported on laboratory animals. The finding of chronic toxic effects in laboratory animals may indicate toxicity to humans.

#### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Dichloromethane	2	2B	X

**IARC:** Group 2B Animal Carcinogen

**NTP:** Animal Carcinogen

**Notes:** This product contains methylene chloride, a chemical known to the State of California to cause cancer.

**IRRITATION:** Mild to moderate eyes and skin irritation.

**CORROSIVITY:** Not Applicable

**SENSITIZATION:** Not Applicable

**NEUROTOXICITY:** Not Applicable

**GENETIC EFFECTS:** Not Applicable

**REPRODUCTIVE EFFECTS:** Laboratory animal studies on mice, rats and rabbits have been conducted to evaluate the potential reproductive and developmental effects of methylene chloride exposures. Methylene chloride exposure has not been shown to cause teratogenic effects (birth defects) in experimental animals.

**MUTAGENICITY:** Methylene chloride has been evaluated for its potential to induce genotoxic effects in both in vivo and in vitro systems with mixed results. Based on this evidence, methylene chloride exposure may be considered to be a weak mutagen in mammalian systems.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Methylene chloride is expected to evaporate rapidly from both water and near-surface soil.

**ECOTOXICOLOGICAL INFORMATION:** Contains components that are potentially toxic to freshwater

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
 MSDS No: SPH Canister  
 Date Revised: 11/18/2009  
 Revision No: 1

## STA'-PUT SPH Canister Adhesive

and saltwater ecosystems.

**BIOACCUMULATION/ACCUMULATION:** Contains components with the potential to bio-accumulate.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with all local, state and federal regulations.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Liquified Gas, Flammable, N.O.S.

**PRIMARY HAZARD CLASS/DIVISION:** 2.1

**UN/NA NUMBER:** 3161

**PACKING GROUP:** NA

**NAERG:** 115

**MARINE POLLUTANT #1:** None

**OTHER SHIPPING INFORMATION:** contains (Propane, n-Butane, Dichloromethane)

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable Gas

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** Yes **PRESSURE GENERATING:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Dichloromethane	45 - 70	000075-09-2

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Dichloromethane	45 - 70	2200 kg

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
 MSDS No: SPH Canister  
 Date Revised: 11/18/2009  
 Revision No: 1

## STA'-PUT SPH Canister Adhesive

Chemical Name	CAS
Dichloromethane	000075-09-2
Hydrocarbon Propellant	Mixture

### CLEAN AIR ACT

Chemical Name	Wt. %	CAS
Dichloromethane	45 - 70	000075-09-2

### STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Dichloromethane	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical
Hydrocarbon Propellant	New Jersey Right to Know List Pennsylvania Right to Know List

**CALIFORNIA PROPOSITION 65:** This product contains methylene chloride, a chemical known to the state of California to cause cancer.

Chemical Name	Wt. %	Listed
Dichloromethane	45 - 70	• Cancer

### CANADA

#### WHMIS HAZARD SYMBOL AND CLASSIFICATION



Compressed Gas



Poison



Flammable Gas

### EUROPEAN COMMUNITY

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/18/2009  
 MSDS No: SPH Canister  
 Date Revised: 11/18/2009  
 Revision No: 1

## STA'-PUT SPH Canister Adhesive

### EEC LABEL SYMBOL AND CLASSIFICATION



"F+" - Extremely flammable



"Xn" - Harmful

### 16. OTHER INFORMATION

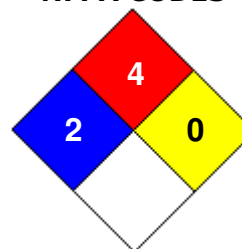
**INFORMATION CONTACT:** (781) 878-7015

**REVISION SUMMARY:** Revision #: 1 This MSDS replaces the October 29, 2009 MSDS. Any changes in information are as follows: In Section 1 Date Prepared

#### HMIS RATING

<b>HEALTH:</b>	2
<b>FLAMMABILITY:</b>	4
<b>PHYSICAL HAZARD:</b>	0
<b>PERSONAL PROTECTION:</b>	<b>B</b>

#### NFPA CODES



**GENERAL STATEMENTS:** Keep out of reach of children

For professional or industrial use only

If you cannot read, or do not understand all directions, cautions, and warnings, do not use this product

#### MANUFACTURER DISCLAIMER:

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ITW TACC. The data on this sheet relates only to the specific material designated herein. ITW TACC assumes no legal responsibility for use or reliance upon these data.