

MATERIAL/CHEMICAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details

Product Name: Silicone Cold Mold Release
- Liquid

Allied Item No.: 200-10015

Chemical Name: Dry Lubricant Release Agent

Company Identification

Allied High Tech Products, Inc.
2376 East Pacifica Place
Rancho Dominguez, CA 90220
(310) 635-2466

Contact Point

Transportation for United States
Chemtrec (800) 424-9300 * (202) 483-7616

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Exposure Limits in Air		Carcin.
		ACGIH TLV or TWA	OSHA PEL	
2,3-Dihydrodecafluoropentane 23-28%	138495-42-8	NE	NE	N
1,1,1,3,3-Pentafluorobutane 32-38%	406-58-6	NE	NE	N
Trans, 1,2-Dichloroethylene 32-38%	156-60-5	200 ppm	200 ppm	N
Tetrafluoroethylene Telomer 1-5%	65530-85-0 9002-84-0	NE	NE	N

Ingredients are listed on the TSCA Inventory of Chemical Substances.
Those not identified are non-hazardous.

HMIS Ratings

Health: 1
Flammability: 1
Reactivity: 1

SECTION 3: HAZARDS IDENTIFICATION

Hazard Statement: Gross overexposure by **inhalation** may cause suffocation if air is displaced by vapors and central nervous system stimulation with increased activity or sleeplessness tremors or convulsions. These effects may be followed by central nervous system depression with dizziness, confusion, incoordination, drowsiness or unconsciousness. May cause irregular heartbeat, "heart thumping", apprehension, lightheadedness, feeling faint, weak, sometimes progressing to loss of consciousness and death. Intentional misuse or deliberate inhalation may cause death without warning. Vapor reduces oxygen available for breathing and is heavier than air. **Major ingestion hazard** is aspiration (liquid entering the lungs) which may result in "chemical pneumonia". Symptoms include coughing, gasping, choking, shortness of breath, bluish discoloration in skin, rapid breathing and heart rate and fever. Pulmonary edema or bleeding, drowsiness, confusion, coma and seizures may occur in serious cases. Pre-existing disease of the central nervous system or cardiovascular system will increase susceptibility. Ingestion may cause pathological changes in liver, central nervous system or heart muscle tissue.

SECTION 4: FIRST AID MEASURES

	Potential Health Effects	First Aid/ Medical Info.
Eye Contact:	May cause irritation with discomfort, tearing or blurring of vision. Liquid will irritate eyes and may cause conjunctivitis.	Flush with water, lifting eyelids occasionally until no evidence of the chemical remains. Get medical attention.
Skin Contact:	May cause irritation with itching, redness or swelling.	Wash with soap and water. Get medical attention if irritation persists.
Inhalation:	See hazard statement above. DO NOT INHALE THIS PRODUCT!	Remove to fresh air immediately. Keep person calm. If not breathing, give CPR. If breathing is difficult, give oxygen. Seek medical attention immediately.
Ingestion:	See hazard statement above. DO NOT INGEST THIS PRODUCT!	DO NOT induce vomiting unless instructed by physician. DO NOT give stimulants. Take immediately to a hospital or physician.

Note: Because of possible disturbance of cardiac rhythm, catecholamine drugs, such as adrenaline or epinephrine should be reserved for emergencies and then used only with special caution.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Use media appropriate for surrounding material.

Fire Fighting Instruction: Wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus with full facepiece. Water may be used to cool containers and reduce pressure.

Special Hazards: Use water spray or fog to cool containers. Drums may rupture under fire conditions. Decomposition may occur.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Review Section 6 before proceeding with clean up. Remove any ignition sources. Ventilate area, especially low places where heavy vapors might collect. Contain liquid, soak up with sawdust, sand or other absorbent material. Do not flush to sewer. Composition of vapors above the liquid may fall within the LEL/UEL and become flammable. Transfer to properly labeled closed metal containers.

SECTION 7: HANDLING & STORAGE	SECTION 12: ECOLOGICAL INFORMATION
<p>Handling: Observe good housekeeping practices.</p> <p>Storage: Store in a clean dry area. Do not heat above 125 °F (52 °C). Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Rotate stock to shelf life of one year.</p>	NA
SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION	SECTION 13: DISPOSAL INFORMATION
<p><u>Engineering Measures:</u> Use with sufficient ventilation to keep employee exposure below the recommended exposure limit, especially in enclosed and low places. Mechanical ventilation should be used in low or enclosed places.</p> <p><u>Respiratory Protection:</u> Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p><u>Protective Gloves:</u> Use impervious gloves.</p> <p><u>Eye Protection:</u> Safety glasses or chemical splash goggles.</p> <p>Other: Eyewash, safety shower and impervious clothing are recommended.</p>	Dispose of waste material according to Federal, State and Local regulations. Do not puncture or incinerate containers.
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES	SECTION 14: TRANSPORT INFORMATION
<p>Appearance: Milky white liquid</p> <p>Odor: Ethereal odor</p> <p>Solubility: NA</p> <p>Boiling Point: 97 °F (36 °C)</p> <p>Melting Point: NA</p> <p>Flash Point: NA</p> <p>Vapor Pressure: 497 mmHg @ 77 °F (25 °C)</p> <p>Vapor Density: NA</p> <p>Evaporation Rate: NA</p> <p>pH Information: 7</p> <p>Flammable Limits LEL: 6</p> <p>Flammable Limits UEL: 12</p> <p>VOC Content: 97%</p>	Not regulated.
SECTION 10: STABILITY & REACTIVITY	SECTION 15: REGULATORY INFORMATION
<p>Conditions to Avoid/Incompatibles: Alkalis, or alkaline earth metals, powdered Al, Na, Mg, Zn, Be, etc. and strong bases such as NaOH, KOH, etc.</p> <p>Decomposition Products: This product can be decomposed by high temperatures (flame, glowing metal surfaces, etc.) forming hydrochloric and hydrofluoric acids and carbonyl fluoride and unsaturated compounds of unknown toxicity.</p> <p>Hazardous Polymerization: Will not occur.</p>	<p><u>Toxic Substance Control Act TSCA:</u> All ingredients are TSCA listed.</p> <p><u>CERCLA:</u> Trans,1,2-dichloroethylene component only is classified as a hazardous substance.</p> <p><u>SARA Title III:</u> This product is categorized as an Acute Health risk.</p>
SECTION 11: TOXICOLOGICAL INFORMATION	SECTION 16: OTHER INFORMATION
NA	<p>Legend</p> <p>NAIF: No Applicable Information Found</p> <p>NA: Not Available/Applicable</p> <p>NE: None Established</p> <p>DISCLAIMER: The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p> <p>Form Prepared By: Allied High Tech Products, Inc. January 2011</p>