

# MATERIAL SAFETY DATA SHEET

ISSUE DATE: 11/29/99

REVISE DATE: 06/16/09

Supersedes Any Previous M.S.D.S. On This Product

EMERGENCY PHONE NUMBER: CHEMTREC 1-800-424-9300

## I. IDENTIFICATION

**PRODUCT NAME:** QuickStickHS-High Strength  
**PRODUCT CLASS:** Adhesive

DUCTMATE INDUSTRIES, INC.  
210 5<sup>th</sup> St.  
Charleroi, PA 15022

## II. HAZARDOUS INGREDIENTS

### REPORTING REQUIREMENTS:

<u>Ingredient:</u>	<u>C.A.S. #</u>	<u>%BY WT.</u>
Methylene Chloride	75-09-2	55-65
1,1,1,2-tetrafluoroethane	811-97-2	15-25
Dimethyl Ether	115-10-6	<1

## III. PHYSICAL DATA

**APPEARANCE:** Clear, red, or green in color

**SOLUBILITY IN WATER:** Negligible

**BOILING POINT:** Not determined

**SPECIFIC GRAVITY (WATER = 1):** 1.16-1.20 gms/cc (9.6 to 10 lbs/gal)

**VOLATILE ORGANIC COMPOUNDS:** <30 g/L (<2%)

**VAPOR DENSITY (AIR = 1):** Not determined

**ODOR:** Organic solvent odor

## IV. HEALTH HAZARDS

### 4.1 EMERGENCY OVERVIEW

**Immediate health, physical, and environmental hazards:** Closed containers exposed to heat from fire may build pressure and explode.

Contains a chemical or chemicals which can cause cancer. May cause target organ effects.

### 4.2 POTENTIAL HEALTH EFFECTS

#### Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin Contact:

Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Intentional concentration and inhalation may be harmful or fatal.

May be absorbed following inhalation and cause target organ effects.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

Target Organ Effects:

Central Nervous System (CNS) Depression: Signs/Symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness and unconsciousness.

Prolonged or repeated exposure may cause:

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination

#### Ingredient C.A.S. No. Class Description Regulation

Methylene Chloride 75-09-2 Group 2B International Agency for Research on Cancer

Methylene Chloride 75-09-2 Anticipated human carcinogen National Toxicology Program Carcinogens

Methylene Chloride 75-09-2 Cancer hazard OSHA Carcinogens

## V. HEALTH AND FIRST AID

### 5.1 first aid procedures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed:

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical

attention. Wash contaminated clothing and clean shoes before reuse.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## **VI. FIRE AND EXPLOSION HAZARD DATA**

### **6.1 FLAMMABLE PROPERTIES**

**Flammability:** Non-Flammable per ASTM E-681

**Auto ignition temp** No Data Available

**Flash Point** None Detected

**Flammable Limits-LEL** None

**Flammable Limits-UEL** None

### **6.2 EXTINGUISHING MEDIA**

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide)

### **6.3 PROTECTION OF FIRE FIGHTERS**

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Product is non-flammable.

## **VII. SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

**Accidental Release Measures:** Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Contain spill. Collect in approved containers and dispose of in accordance with state, local and federal laws and regulations.

### **7.1 HANDLING**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. No smoking while handling this material. Avoid breathing of vapors, mists or spray. Avoid eye contact with vapors, mists, or spray. Keep out of reach of children. Use only with ventilation. Use general ventilation. If ventilation is not adequate, use respiratory protection equipment.

### **7.2 STORAGE**

Store away from acids. Store away from heat. Store out of direct sunlight. Keep container tightly closed. Store away from oxidizing agents.

### **7.3 DISPOSAL**

Waste Disposal Method: Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

Since regulations vary, consult applicable regulations or authorities before disposal.

## **VIII. SPECIAL PROTECTION**

### **8.1 ENGINEERING CONTROLS**

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation on open containers. Do not use in a confined area or areas with little or no air movement. Use general ventilation. If ventilation is not adequate, use protection equipment.

### **8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)**

#### **8.2.1 Eye/Face protection**

Avoid eye contact with vapors, mists, or spray.

The following eye protection(s) are recommended: Safety Glasses with side shields. Indirect Vented Goggles.

#### **8.2.2 Skin Protection**

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Polyvinyl Alcohol (PVA), Polyethylene/Ethylene Vinyl Alcohol.

#### **8.2.3 Respiratory Protection**

Avoid breathing of vapors, mists or spray.

#### **8.2.4 Prevention of Swallowing**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

### **8.3 EXPOSURE GUIDELINES**

**Ingredient Authority Type Limit Additional Information**

**1,1, 1-4 Tetrafluoroethane** AIHA TWA 1000 ppm

**1,1,1-4 Tetrafluoroethane** CMRG TWA 1000 ppm

**Dimethyl Ether** AIHA TWA 1000 ppm

**Dimethyl Ether** CMRG TWA 1000 ppm

**Methylene Chloride** ACGIH TWA 50 ppm Table A3

**Methylene Chloride** OSHA TWA 25 ppm

**Methylene Chloride** OSHA STEL 125 ppm

**SOURCES OF EXPOSURE LIMIT DATA:**

**ACGIH:** American Conference of Governmental Industrial Hygienists

**AIHA:** American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

**CMRG:** Chemical Manufacturer Recommended Guideline

**EPA:** Environmental Protection Agency

**IARC:** International Agency for the Research on Cancer

**NIOSH: National Institute for Occupational Safety and Health**

**NTP: National Toxicology Program**

**OSHA: Occupational Safety and Health Administration**

## **IX. TRANSPORTATION INFORMATION**

Liquefied Gas, N.O.S. (Contains Tetrafluoroethane, Methylene Chloride) 2.2, UN 3163

## **X. REACTIVITY DATA**

**STABILITY:** Stable under normal conditions of handling and use.

**CONDITIONS TO AVOID:** Avoid any ignition sources. Avoid excessive heat.

**INCOMPATIBILITY (Materials to Avoid):** Nitric plus Acetic Acids, Nitric plus Sulfuric Acid, Amines, strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS (During Combustion):** Aldehydes, Hydrocarbons, Carbon Monoxide, Carbon Dioxide

**HAZARDOUS POLYMERIZATION:** Will not occur.

## **XI. TOXICOLOGICAL INFORMATION**

**Carcinogenicity:** No data available

## **XII. REGULATORY INFORMATION**

**311/312 Hazard Categories:**

Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

**Ingredient C.A.S. Number % by Wt.**

Methylene Chloride 75-09-2 55-65%

### **STATE REGULATIONS**

#### **CALIFORNIA PROPOSITION 65**

**Ingredient C.A.S. Number Classification**

Methylene Chloride 75-09-2 \*\*Carcinogen

\*\*WARNING: contains a chemical which can cause cancer.

## **XIII. SPECIAL PRECAUTIONS**

**NFPA Hazard Classification:**

**Health: 2      Flammability: 0      Reactivity: 1      Special Hazard: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

This information is taken from sources or based upon data believed to be reliable; however, DUCTMATE INDUSTRIES, INC. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist, as all materials may present unknown health hazards.

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