

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **2P-10 Aerosol Activator**  
Part Number: **2P-10 SOLO ACT 12OZ**  
Revision Date: November 13, 2007  
Company Name: FastCap LLC  
3725 Irongate Rd.  
Bellingham, WA 98226

EMERGENCY PHONE: For Chemical Emergency  
Spill Leak Fire Exposure or Accident only  
Call CHEMTREC Day or Night

DOMESTIC NORTH AMERICA 800-424-9300  
INTERNATIONAL, CALL +1 703-527-3887 (collect calls accepted)

For all other questions or technical issues call, 888-443-3748

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#	COMPONENT	CAS#	% by WT.	LISTED	NTP	IARC	OSHA
1	Acetone	67-64-1	30 - 40		N	N	N
2	PROPANE	74-98-6	15 - 20		N	N	N
3	N-BUTANE	106-97-8	40 - 50		N	N	N
4	N,N-DIMETHYL-P-TOLUIDINE	99-97-8	1 - 3		Y	N	N

### 3. HAZARDS IDENTIFICATION

Emergency Overview: DANGER! Extremely Flammable. Contents Under Pressure.

APPEARANCE/ODOR: Liquid Spray Mist / Solvent Odor

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

LIKELY ROUTES OF EXPOSURE: Eye contact, skin contact, ingestion, and inhalation

EYE: Contact may cause redness, irritation, tearing, and blurred vision

SKIN: Contact may dry skin causing cracks and irritation

INGESTION: May be harmful if swallowed

INHALATION: Exposure to high concentrations of vapors may cause drowsiness, breathing difficulty, respiratory irritation, or headaches. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Asthma and other respiratory ailments.

TARGET ORGANS: Kidney Liver Lung Brain

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### 4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. If irritation develops get medical attention.

SKIN CONTACT: Remove contaminated clothing and wash before reuse. Wash skin with soap and water. Get medical attention if irritation develops.

INHALATION: Move to fresh air. Contact emergency medical support if breathing stops or is irregular.

INGESTION: Do NOT induce vomiting. Get medical attention immediately.

#### 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: CO<sub>2</sub> (Carbon Dioxide), dry chemical, or water fog.

UNSUITABLE EXTINGUISHING MEDIA: Water spray may be unsuitable. However, if water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat.

PRODUCTS OF COMBUSTION: These products are carbon oxides (CO,CO<sub>2</sub>).

PROTECTION OF FIREFIGHTERS: Full protective equipment including self-contained breathing apparatus should be used.

#### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use personal protection recommended in Section 8.

ENVIRONMENTAL PRECAUTIONS: None known.

METHODS OF CONTAINMENT: Absorb spilled liquid in suitable material.

METHODS OF CLEAN-UP: Use spark-proof tools to sweep or scrape up and containerize.

OTHER INFORMATION: Ventilate the area.

#### 7. HANDLING AND STORAGE

HANDLING:

Vapors may ignite explosively. Prevent buildup of vapors; use with adequate ventilation. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate (burn) container.

STORAGE:

Store in dry, well-ventilated area and in accordance with federal, state, and local regulations. Do not expose to heat or store at temperatures above 120 F (48 C). Storage conditions should comply with NFPA 30B and OSHA 1910.106. If storing in cold temperatures, allow product to warm to room temperature before use.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

#	COMPONENT	ACGIH TLV-STEL	ACGIH TLV-TWA	OSHA PEL-TWA
1	ACETONE	500 ppm	400 ppm	500 ppm
2	PROPANE	1800 ppm	2500 ppm	1000 ppm
3	N-BUTANE	N/E	800 ppm	800 ppm
4	N,N-DIMETHYL-P-TOLUIDINE	N/E	N/E	N/E

ENGINEERING CONTROLS: Not generally required if product is applied in small quanti-

ties. If product is applied in larger quantities, provide ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels.

**EYE/FACE PROTECTION:** Wear safety glasses with side shields. Have eye wash facilities immediately available.

**SKIN PROTECTION:** Chemical resistant gloves if contact is likely.

**RESPIRATORY PROTECTION:** Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled within applicable limits with ventilation.

**GENERAL HYGIENE CONSIDERATIONS:** Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Color: see product description

Odor: Solvent Odor

Physical State: Aerosol - Pressurized Liquid

Freezing Point: Not Established (mixture)

Boiling Range: <-18 C to 177 C (<0 F to 350 F)

Flash Point: <-18 C (<0 F)

Evaporation Rate: Faster than ether

Upper Flammability Limit: Not Established (mixture)

Lower Flammability Limit: Not Established (mixture)

Vapor Pressure: Approximately 50 psig @ 10 C (70 F)

Specific Gravity: 0.650 @15 C (60 F)

Solubility (water): Negligible

Percent Volatile, wt. %: 99.990

VOC Percent (CA): 99.990

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Keep away from heat, sparks, and flames.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** by fire - Carbon Dioxide and Carbon Monoxide

**POSSIBILITY OF HAZARDOUS REACTIONS:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

#	COMPONENT	LD50 Oral	LD50 Dermal
1	ACETONE	N/E	N/E
2	PROPANE	1000 mg/kg	1800 mg/kg
3	N-BUTANE	N/E	N/E
4	N,N-DIMETHYL-P-TOLUIDINE	N/E	N/E

See section 3 for other acute effect information.

**CHRONIC EFFECTS:** Prolonged over-exposure to solvent ingredients in Section 2 may

cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated the repeated and prolonged occupational OVER- EXPOSURE to solvents with brain and nervous system damage. The deliberate misuse by concentrating and inhaling the vapors may be harmful or fatal.

CARCINOGENICITY: See Section 2 for additional information.

## **12. ECOLOGICAL INFORMATION**

No data available.

## **13. DISPOSAL CONSIDERATIONS**

Do not puncture, incinerate or place container in trash compactor. Dispose of product in accordance with Federal, State, and Local regulations. Empty containers are 95% steel; recycle where allowed.

## **14. TRANSPORTATION INFORMATION**

US DOT (Ground)

Proper Shipping Name: Consumer Commodity

Hazard Class: ORM-D

US DOT (Air)

Proper Shipping Name: Consumer Commodity

Hazard Class: ORM-D-AIR

IATA/ICAO (International Air)

Proper Shipping Name: Aerosols, Flammable

ID no.: UN1950

Hazard Class: 2.1

Hazard Label: Flammable Gas

Packing Instruction: 203 (NOTE, must be shipped in proper U.N.-certified box!)

No component of this product is a listed Marine Pollutant (49 CFR 172,101,Appendix B).

## **15. REGULATORY INFORMATION**

International Chemical Inventory

TSCA: United States The components of this product are listed on the TSCA inventory.

DSL: Canada The components of this product are listed on the DSL inventory.

AICS: Australia The components of this product are listed on the AICS inventory.

Section 313 Toxic Chemicals

See section 2. Chemicals marked with a "Y" are subject to the SARA reporting requirements under 40 cfr 372.45(c)(5).

## **16. OTHER INFORMATION**

HMIS: Hazardous Material Identification System

Health - 2 Fire - 4 Reactivity - 1

Hazard Scale: 0=minimal, 1=slightly, 2=moderate, 3-serious, 4=severe

This MSDS is based on information believed to be reliable and accurate. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State and Local laws and regulations.