

# MATERIAL SAFETY DATA SHEET

OSHA - Meets 29 CFR 1910.1200 Standards



## HMIS HAZARD RATINGS

HEALTH	2	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	4	1 = SLIGHT	4 = EXTREME
REACTIVITY	1	2 = MODERATE	

## TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:	Aerosols		
HAZARD CLASS / PKG GRP:	2.1	REF:	49 CFR 173.115, .306
IDENTIFICATION NUMBER:	UN 1950	LABEL:	FLAMMABLE GAS

## SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

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**# 355 Spray Adhesive**

DISTRIBUTOR'S NAME

FPC Corporation

EMERGENCY TELEPHONE NUMBER

(847) 487-4583

ADDRESS (NUMBER, STREET, P.O. BOX)

355 Hollow Hill Drive

TELEPHONE NUMBER FOR INFORMATION

(847) 487-4583

(CITY, STATE AND ZIP CODE)

Wauconda, IL 60084

DATE PREPARED: May 3, 2002

SUPERSEDES: New

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (OPTIONAL)	OSHA PEL		ACGIH TWA		SARA TITLE III	RQ LBS
			PPM	MG/M <sup>3</sup>	PPM	MG/M <sup>3</sup>		
Isohexane	107-83-5	15 - 40	500					
Dimethyl ether	115-10-6	10 - 30	not established					
Propane	74-98-6	10 - 30	1000	1800	2500			
Cyclohexane (a,b,c)	110-82-7	10 - 30	300	1050	300		Yes	1000
Acetone (b,c)	67-64-1	7 - 13	1000	2400	500			5000
Pentane	109-66-0	3 - 7	1000	2950	600			

(a) A "Yes" in the SARA TITLE III column in Section 2 indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

(b) Indicates that the Resource Conservation and Recovery Act (RCRA) has determined the waste for this chemical is listed as hazardous and must be handled according to regulations in 40 CFR 260-281.

(c) The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ for this mixture = 7,000 lbs) or greater amounts, according to 40 CFR 302.

## SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

**INHALATION:** Vapors may cause narcosis with headache, dullness, difficulty breathing, lightheadedness, drowsiness, unconsciousness and possibly death. Concentrations for 10 minutes may cause dizziness. Very high concentrations (>10,000 ppm) may cause asphyxiation with rapid respiration, reduced mental alertness and muscle coordination, nausea, vomiting, prostration, unconsciousness, convulsions, coma and death.

Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

**SKIN:** Not likely to cause a problem due to high volatility of product. Contact with liquid or rapidly expanding gases released under high pressure may cause frostbite and irritation.

Wash affected area with soap and water; if irritation persists, seek medical attention.

**EYES:** Direct contact with concentrated vapor or liquid may cause severe irritation.

Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

**INGESTION:** Ingestion of liquid may result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema or death.

DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

CARCINOGENICITY

NTP?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

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Date: May 3, 2002

**SECTION 4 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED)

- 156° F (- 104.4° C) PMCC

NFPA RATING

1A

FLAMMABLE LIMITS

LEL: 1.0%

UEL: 18.0%

EXTINGUISHING MEDIA

Carbon dioxide, water fog, dry chemical, chemical foam

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear full facepiece self - contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire - exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers can explode due to buildup of pressure when exposed to extreme heat; do not use direct stream of water on pool fires as product may reignite on water surface. Contents under pressure. Do not use or store near heat or ignition source.

**SECTION 5 - ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION - EXTREMELY FLAMMABLE - Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal; for spills in excess of allowable limits (RQ) notify the National Response Center (800) 424 - 8802; refer to CERCLA 40 CFR 302 and SARA Title III, Section 313 40 CFR 372 for detailed instructions concerning reporting requirements. Do not discharge into lakes, ponds, streams or public waters.

**SECTION 6 - HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. CAUTION - EXTREMELY FLAMMABLE - keep away from all sources of ignition. "Empty" containers may contain residue which may form explosive vapors. Do not puncture container. Do not attempt to refill container. Maintain well ventilated work areas to minimize exposure when handling this material.

**SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134 or European Standard EN 149 for complete regulations.

VENTILATION

LOCAL EXHAUST: Required

SPECIAL: None

MECHANICAL (GENERAL): Recommended

OTHER: None

PROTECTIVE GLOVES: Recommended for general protection

EYE PROTECTION: Protective eyeglasses or chemical safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

**SECTION 8 - PHYSICAL / CHEMICAL PROPERTIES**

BOILING POINT

- 44° F to 177° F

SPECIFIC GRAVITY (WATER = 1)

0.6884

VAPOR PRESSURE (MM Hg)

Not determined

pH

Not determined

VAPOR DENSITY (AIR = 1)

&gt; 1

EVAPORATION RATE (N-Butyl Acetate = 1)

&lt; 1

SOLUBILITY IN WATER

Negligible

% VOLATILE (BY WEIGHT)

&gt; 95%

APPEARANCE AND ODOR

White liquid, mint odor

VOLATILE ORGANIC COMPOUNDS (VOC's)

506 grams / liter total

**SECTION 9 - STABILITY AND REACTIVITY**

STABILITY

UNSTABLE:

CONDITIONS TO AVOID: Extreme temperatures, open flames, sparks

STABLE: XXX

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

CONDITIONS TO AVOID:

WILL NOT OCCUR: XXX

None

**SECTION 10 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors or fumes in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.