# MATERIAL SAFETY DATA SHEET

Date of MSDS: 06/08/2007

### Section 1—PRODUCT AND COMPANY IDENTIFICATION

**HMIS CODES** PRODUCT NUMBER: PRODUCT NAME:

SA86412 Clear Adhesive Aerosol

Health

Flammability 4 FORMULA: PREPARER: M25216 H. Gudmundsson

Reactivity

2



MANUFACTURER'S NAME:

HPS LLC MIXARI

**DECATUR PLANT DECATUR TEXAS 76234** 

Section 2—COMPOSITION / INFORMATION ON INGREDIENTS					
% by WT	CAS No.	INGREDIENT	OSHA PEL	ACGIH TLV	Vapor Pressure
5	74-98-6	Propane	1000 ppm	2500 ppm	760 mm
<1	100-41-4	Ethylbenzene	100 ppm	100 ppm	760 mm
35	1330-20-7	Xylene	100 ppm	100 ppm	5.9 mm
2	123-42-2	Diacetone Alcohol	50 ppm	50 ppm	5.9 mm
35	67-64-1	Acetone	1000 ppm	500 ppm	180 mm
4	108-88-3	Tolune	100 ppm	50 ppm	22 mm
<1	108-05-4	Vinyl Acetate	100 ppm	100 pmm	100 mm
23	141-78-6	Ethyl Acetate	400 ppm	400 ppm	100 mm

#### Section 3—HAZARDS IDENTIFICATION

**ROUTES OF EXPOSURE** 

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

**EFFECTS OF OVEREXPOSURE** 

**EYES**: Irritation

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possible death. Prolonged overexposure to solvent in Section 2 may cause adverse effects to the liver, urinary and reproductive systems. SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, Dizziness, nausea, and loss of coordination are the indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AĞGRAVATED BY EXPOSÚRE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

#### Section 4—FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing, Keep warm and quiet.

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

#### Section 5—FIRE FIGHTING MEASURES

FLASH POINT LEL UEL Propellant < 0 F 1.0 12.8

**EXTINGUISHING MEDIA** 

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full Protective equipment including self-containing breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzle are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion to extreme heat.

### Section 6—ACCIDENTAL RELEASE MEASURES

### STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignation. Ventilate the area.

Remove inert absorbent.

#### Section 7—HANDLING AND STORAGE

#### STORAGE CATEGORY

Not Available

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

#### Section 8—EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

### **VENTILATION**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. PROTECTIVE GLOVES

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

## **EYE PROTECTION**

Wear safety spectacles with unperforated sideshields.

#### OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

#### Section 9—PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT 5.49 lb/gal 658 g/l

SPECIFIC GRAVITY 0.66

BOILING POINT <0 - 292 F <-18 - 144 C

MELTING POINT Not Available VOLATILE VOLUME 100 %

EVAPORATION RATE Faster than ether VAPOR DENSITY Heavier than air

SOLUBILITY IN WATER N.A.

pH 7.0

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)
Volatile Weight 52.50% Less Water and Federally Exempt Solvents

#### Section 10—STABILITY AND REACTIVITY

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

**INCOMPATIBILITY** 

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

### Section 11—TOXICOLOGICAL INFORMATION

#### CHRONIC HEALTH HAZARDS

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

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations.

There is no evidence that ethylbenzene causes cancer in humans.

#### TOXICOLOGY DATA

CAS No. Ingredient Name

74-98-6 **Propane** LC50 RAT 4HR Not Available LD50 RAT Not Available 100-41-4 Ethylbenzene LC50 RAT 4HR Not Available LD50 RAT 3500 mg/kg 1330-20-7 **Xvlene** LC50 RAT 4HR 5000 ppm LD50 RAT 4300 mg/kg 123-42-2 Diacetone Alcohol LC50 RAT 4HR Not Available LD50 RAT 4000. mg/kg 67-64-1 Acetone 4HR Not Available LC50 RAT LD50 RAT 5800 mg/kg

#### Section 12 -- ECOLOGICAL INFORMATION

## **ECOTOXICOLOGICAL INFORMATION**

No data available.

#### Section 13 -- DISPOSAL CONSIDERATIONS

#### WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## Section 14 -- TRANSPORT INFORMATION

US Ground (DOT)

May be classed as Consumer Commodity, ORM-D UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)

Canada (TDG)

May be classed as Consumer Commodity, ORM-D UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG#126)

**IMO** 

May be shipped as Limited Quantity UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EmS F-D, S-U

Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

## Section 15 -- REGULATORY INFORMATION

### SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No. CHEMICAL/COMPOUND % by WT % Element

100-41-4 Ethylbenzene 2 1330-20-7 Xylene 9

#### **CALIFORNIA PROPOSITION 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 -- OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.