



Material Safety Data Sheet

Revision Date 11-Mar-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 53381
Product name HSP Clear Acrylic
Recommended Use Coating

Supplier Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable. Irritant. Contents under pressure.

Aggravated Medical Conditions

None Known.

Principal Routes of Exposure

Eyes. Inhalation.

Potential health effects

- Eyes** Exposure to vapors will cause the following effects. Irritation. Swelling.
- Skin** Exposure to vapors will cause the following effects. Skin Irritation.
- Inhalation** Exposure to vapors will cause the following effects. Irritation of the nose or throat. Central nervous system effects. Dizziness. Headaches. Fatigue. Nausea. Extreme overexposure may cause. Kidney damage. Lung damage. Liver damage. Cardiac abnormalities. Damage to blood. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.
- Ingestion** May be harmful if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % |
|------------------|----------|----------|
| Acetone | 67-64-1 | 10-30 |
| Propane | 74-98-6 | 10-30 |
| Isobutyl acetate | 110-19-0 | 10-30 |
| Toluene | 108-88-3 | 10-30 |

| | | |
|----------------------------------|-----------|---------|
| Ethylene glycol monopropyl ether | 2807-30-9 | 7-13 |
| N-Butane | 106-97-8 | 7-13 |
| Xylene (mix) | 1330-20-7 | 0.5-1.5 |

4. FIRST AID MEASURES

- Eye contact** Remove to fresh air. Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention if irritation persists.
- Skin contact** Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.
- Ingestion** Call a physician or Poison Control Center immediately.
- Inhalation** Move to fresh air. If symptoms persist, call a physician.

5. FIRE FIGHTING MEASURES

- Flash point °C** -19
Flash point °F -2
Method No information available
- Autoignition temperature °C** Product is not self-igniting
Autoignition temperature °F
- Flammability Limits (% in Air)**
Upper 23.3
Lower 1.7

Suitable extinguishing media

Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam. Sand.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Fire and Explosion Hazards

Aerosol containers may vent, rupture or burst when heated to temperatures above 120°F. Vapors may form explosive mixture in air between upper and lower explosive limits which can be ignited by many sources, such as pilot lights, open flames, electrical motors and switches.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Evacuate area of unprotected and unnecessary personnel. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE**Handling**

Do not spray on a naked flame or any other incandescent material. Do not smoke. Protect against electrostatic charges.

Storage

Small pressurized containers of flammable product may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except that they should not be stored in basements. Keep away from heat. Keep away from direct sunlight. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name | OSHA PEL (TWA) | OSHA PEL (Ceiling) | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|----------------------------------|------------------------------------|--------------------|-----------------|------------------|
| Acetone | 1000 ppm 2400 mg/m ³ | - | 500 ppm | 750 ppm |
| Propane | 1000 ppm 1800 mg/m ³ | - | 1000 ppm | - |
| Isobutyl acetate | 150 ppm 700 mg/m ³ | - | 150 ppm | - |
| Toluene | 200 ppm | 300 ppm | 20 ppm | - |
| Ethylene glycol monopropyl ether | - | - | - | - |
| N-Butane | - | - | - | 1000 ppm |
| Xylene (mix) | 100 ppm 435 mg/m ³ | - | 100 ppm | 150 ppm |

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

Respiratory protection

None necessary under normal conditions. Use NIOSH approved respirator if TLV limit is exceeded.

Hand Protection

Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection

Tightly fitting safety goggles.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Form | Aerosol |
| Color | Clear |
| Odor | Solvent |
| Odor Threshold | No information available |
| pH | No data available |
| Specific Gravity | 0.77-0.85 |
| Vapor pressure | 40 PSI @ 70 F |
| Density | 0.75551 g/cm ³ @ 20°C (68°F) |
| Vapor density | No data available |
| Evaporation Rate | No data available |
| Water solubility | No data available |
| VOC Content | 65.8%; 632 g/l; 5.27 lb/gal |
| Solids content | 11.8% |
| MIR value | 1.43 |
| Partition Coefficient (n-octanol/water) | No data available |
| Boiling point/range °C | -44 |
| Boiling point/range °F | -47 |
| Melting point/range °C | No data available |
| Melting point/range °F | No data available |
| Flash point °C | -19 |
| Flash point °F | -2 |
| Ignition temperature °C | 230 |
| Ignition temperature °F | 446 |

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Do not store in temperatures above 120 degrees F.

Incompatibility

None known.

Hazardous Decomposition Products

None known.

Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Component Information**

| Chemical Name | LD50 (oral, rat) | LD50 (dermal, rat/rabbit) | LC50 (inhalation, rat) |
|---|------------------|---------------------------|-------------------------|
| Acetone 67-64-1 | - | - | 50100 mg/m ³ |
| Propane 74-98-6 | - | - | 658 mg/L |
| Isobutyl acetate 110-19-0 | 13400 mg/kg | 17400 mg/kg | - |
| Toluene 108-88-3 | 636 mg/kg | 8390 mg/kg | 12.5 mg/L |
| Ethylene glycol monopropyl ether 2807-30-9 | - | 870 mg/kg | 1530 ppm |
| N-Butane 106-97-8 | - | - | 658 g/m ³ |
| Xylene (mix) 1330-20-7 | 4300 mg/kg | - | 47635 mg/L |

Synergistic Products None known**Potential health effects****Sensitization** None known**Chronic toxicity** None known**Mutagenic effects** None known**Teratogenic effects** None known**Reproductive toxicity** None known

Target Organ Effects Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage. Prolonged or repeated occupational overexposure may affect the following: Kidney. Lungs. Liver. Heart. Blood.

Carcinogenic effects See table below

| Chemical Name | ACGIH OEL - Carcinogens | IARC | NTP - Known Carcinogens | NTP - Suspected Human Carcinogens | OSHA RTK Carcinogens |
|------------------|-------------------------|------------|-------------------------|-----------------------------------|----------------------|
| Acetone | A4 | Not Listed | Not Listed | Not Listed | Not Listed |
| Propane | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| Isobutyl acetate | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| Toluene | A4 | Not Listed | Not Listed | Not Listed | Not Listed |

| | | | | | |
|----------------------------------|------------|------------|------------|------------|------------|
| Ethylene glycol monopropyl ether | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| N-Butane | Not Listed | Not Listed | Not Listed | Not Listed | Not Listed |
| Xylene (mix) | A4 | Not Listed | Not Listed | Not Listed | Not Listed |

12. ECOLOGICAL INFORMATION**Acetone****Microtox Data***Photobacterium phosphoreum* EC50=14500 mg/L (15 min)**Water Flea Data***Daphnia magna* EC5010294 - 17704 mg/L (48 h)*Daphnia magna* EC5012600 - 12700 mg/L (48 h)**Toluene****Microtox Data***Photobacterium phosphoreum* EC50=19.7 mg/L (30 min)**Water Flea Data***Daphnia magna* EC505.46 - 9.83 mg/L (48 h)*Daphnia magna* EC50=11.5 mg/L (48 h)**Xylene (mix)****Microtox Data***Photobacterium phosphoreum* EC50=0.0084 mg/L (24 h)**Water Flea Data***Gammarus lacustris* LC50=0.6 mg/L (48 h)

water flea EC50=3.82 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS**Disposal Information**

Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate. Please recycle empty container whenever possible.

14. TRANSPORTATION INFORMATION**DOT**

Consumer commodity, ORM-D.

TDG

Consumer commodity, ORM-D.

15. REGULATORY INFORMATION

| Chemical Name | US EPA SARA 313 Emission Reporting |
|----------------------------------|------------------------------------|
| Ethylene glycol monopropyl ether | Listed |
| Xylene (mix) | Listed |

State Regulations

| Chemical Name | New Jersey - RTK | Pennsylvania - RTK | California Prop. 65 |
|---------------|------------------|--------------------|---------------------|
| Acetone | Not Listed | Listed | Not Listed |

Product code **53381**

Product name **HSP Clear
Acrylic**

| Chemical Name | New Jersey - RTK | Pennsylvania - RTK | California Prop. 65 |
|----------------------------------|------------------|--------------------|-----------------------------------|
| Propane | Listed | Listed | Not Listed |
| Isobutyl acetate | Listed | Listed | Not Listed |
| Toluene | Listed | Listed | Developmental Female Reproductive |
| Ethylene glycol monopropyl ether | Not Listed | Not Listed | Not Listed |
| N-Butane | Not Listed | Listed | Not Listed |
| Xylene (mix) | Not Listed | Listed | Not Listed |

| Chemical Name | Type |
|--------------------|---------------------|
| Toluene - 108-88-3 | Female Reproductive |

International Inventories

| Chemical Name | EINECS | DSL | NDSL | TSCA |
|----------------------------------|--------|-----|------|------|
| Acetone | X | X | - | X |
| Propane | X | X | - | X |
| Isobutyl acetate | X | X | - | X |
| Toluene | X | X | - | X |
| Ethylene glycol monopropyl ether | X | X | - | X |
| N-Butane | X | X | - | X |
| Xylene (mix) | X | X | - | X |

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA

Health - 1
Flammability - 4
Reactivity - 3

HMIS

Health - 1
Flammability - 4
Physical Hazard - 3

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.