



LPS LABORATORIES

WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM

MATERIAL SAFETY DATA SHEET

Section 1 - Product Identification and Use

Manufacturer's Name:

LPS Laboratories

Product Identifier:

LPS BrightCoat Cold Galvanize

Address (Number Street):

4647 Hugh Howell Road

Product Use:

Protective coating

Address (City, Province, Postal Code):

Tucker, GA USA 30085-5052

Part Numbers:

C05916

Telephone Number: 770-243-8800**Emergency Telephone Number:**

1-613-996-6666 CANUTEC

Packaging:

Aerosol (370 g)

WHMIS Classification:

Class A, Class B Div. 5, Class D Div. 2B

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

Section 2 - Hazardous Ingredients

| Ingredients | CAS # | Aerosol | LC 50 | LD 50 | TLV |
|-------------------|------------|---------|--|--------------------|--------------|
| Zinc Powder | 7440-66-6 | 10-20 | 23 gm/m ³ /24H non-mammalian species | N/D | N/D |
| Xylene | 1330-20-7 | 1-10 | 6700 ppm/rat/4 hr. | 4,3 g/kg/oral/rat | 150 STEL |
| Ethylbenzene | 100-41-4 | 1-2 | 4000 ppm/rat/4 hr. | 2,27 g/kg/oral/rat | 125 ppm STEL |
| Acetone | 67-64-1 | 40-60 | 16000 ppm/rat/4 hr. | 9,75 g/kg/oral/rat | 750 ppm STEL |
| Propane/Isobutane | 68476-85-7 | 20-30 | N/D | N/D | 1000 ppm |

Section 3 - Physical Data

| | | | |
|--|----------------|--|--------------|
| Boiling point (C°): | 107°C | Specific gravity (H2O = 1): | 0.93-0.99 |
| Vapor pressure (mmHg) @ 25.0°C: | 10 | Evaporation rate (n-Butyl Acetate = 1): | 0.6 |
| Vapor density (Air = 1): | greater than 2 | Freezing Point (C°): | n.av |
| Coefficient of water/oil distribution: | less than 1 | pH: | n.av |
| Physical state: | Liquid | Solubility in water (% by weight): | less than .1 |
| Odor/Color: Gray with paint solvent odor. | | Percent volatile by volume (%): | 80-82 |
| Odor threshold (ppm): | n.av. | | |

Section 4 - Fire and Explosion Hazard

Flammability: Yes X No Product will ignite when heated above flashpoint and exposed to an open flame.

Flash point: 27° C TCC (concentrate) <-11°C TCC (aerosol) **Flammable Limits:** LEL 1.2% UEL 7.0%

Autoignition temperature: n.av.

Extinguishing media: Foam, dry chemical, or carbon dioxide. Water can be used to cool aerosols.

Hazardous combustion products: Thermal decomposition may yield carbon dioxide and carbon monoxide

Sensitivity to impact: None **Sensitivity to static discharge:** Yes.

Special Hazards (including explosion data): Excessive heat created by fire will cause aerosols to burst.

n.av. = not available
n.ap. = not applicable

Section 5 - Reactivity Data

Stability: Stable

Conditions to avoid: Avoid sparks or open flame.

Incompatibility (materials to avoid): Strong oxidizing agents.

Hazardous decomposition products: Carbon dioxide, carbon monoxide.

Hazardous polymerization: Will not occur.

Reactivity and under what conditions: Product should not be mixed with water.

Section 6 - Toxicological Properties

Primary route(s) of entry: Inhalation, eyes, ingestion (unlikely).

Exposure limits: Not established.

Acute effects of overexposure:

Inhalation: Headache, dizziness, nausea and anesthetic effects.

Eyes: Irritation.

Skin: Repeated or prolonged contact may cause drying of skin.

Ingestion: Unlikely route of exposure. However, minute amounts aspirated into lungs during ingestion may cause severe chemical pneumonia.

Chronic effects of exposure: None known at this time.

Carcinogenicity: None known at this time.

Medical conditions generally aggravated by exposure: Pre-existing eye and skin disorders may be aggravated by exposure to acetone.

Other toxicological properties (including reproductive toxicity, synergistic sensitization, teratogenicity, mutagenicity): None known at this time.

Section 7 - Preventative Measures

Personal Protection:

Hands: Use solvent resistant gloves (nitrile, neoprene) for brushing or spraying liquid.

Eyes: Use face shield or goggles when spraying or splashing liquid.

Respiratory: None required if good ventilation is maintained. For enclosed areas, use a NIOSH approved organic vapor cartridge respirator or self-contained breathing apparatus.

Engineering controls: Local exhaust is usually adequate; however, mechanical ventilation should be used when spraying in enclosed areas. Vapor concentration should be minimized as much as possible.

Procedures to be followed in case of leak or spill: Ventilate area by opening windows and doors. Remove ignition sources. Contain spill. Remove leaking container and transfer remaining product to another vessel. Mop up or soak up with absorbent material, such as sand or clay. Do not flush to sewer.

Waste disposal: Dispose of in accordance with municipal, provincial, and federal regulations. Do not flush to the sewer or incinerate aerosols.

Handling and storage procedures: Store aerosols below 50°C and above 0°C. Store away from ignition sources and avoid breathing vapors. Avoid prolonged or repeated contact with skin. Wash hands with soap and water after use, or before breaks and lunch and at the end of work periods. Remove contaminated clothing and laundry before reuse.

H.M.I.S. Labeling: **Health:** [2] **Fire:** 3 **Physical Hazard:** 2

N.F.P.A. Labeling: **Health:** 2 **Fire:** 3 **Reactivity:** 0

Section 8 - First Aid Measures

Emergency and first aid measures:

Inhalation: Move to fresh air. If dizziness or irritation persists contact physician.

Eyes: Flush eyes with copious amounts of cold water and contact a physician.

Skin: Wash with soap and water, then apply medicated skin cream.

Ingestion: Do not induce vomiting. Contact physician immediately.

Section 9 - Preparation Date

The foregoing technical information and recommendations are compiled from sources that are believed to be accurate and reliable. However, they are supplied without warranty or guarantee of any kind either expressed or implied. The purchaser is responsible for selecting and determining the suitability of products for purchaser's particular needs and we disclaim any responsibility for improper applications or misuse of our products in any manner whatsoever.

March 25, 2009

Clea Johnson, regulatory Affairs Coordinator

LPS Laboratories



WHMIS LPS BrightCoat Cold Galvanize