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Product Data Sheet
 The Lawrence-McFadden Company
 7430 State Road
 Philadelphia, PA 19136
 215-624-6333 (phone)
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.Product Identification

Product Number: DV-2149
 Product Name : PASTE
 Product Class : Speciality Coats

.Total Volatile Hazardous Air Pollutant (VHAP) Content (maximum)

Pounds per gallon 0.03
 Percent by weight 0.41
 Pounds VHAP per 1.0 pounds solids 0.01

.Total Hazardous Air Pollutant (HAP) Content (maximum)

Pounds per gallon 0.06
 Percent by weight 0.75
 Pounds HAP per 1.0 pounds solids 0.02

.Solids Content (weight percent)

Percent by weight 48.41

.VOC Content

Pounds per gallon minus exempts 3.79
 Percent by weight 51.59
 Pounds VOC per 1.0 pounds solids 1.07

.Density

Pounds per gallon 7.35

.Notes

- 1) All data provided are 'as supplied' (as formulated).
- 2) All data is calculated from formulation data.
- 3) The information contained in this document is provided to assist the user of this product in complying with appropriate Federal, State and local laws and regulations. Although the Lawrence-McFadden Company believes the data contained herein to be accurate and to have been derived from reliable sources, the providing of this information is not intended to constitute a warranty or a representation of performance by The Lawrence-McFadden Company.

Date: 07/28/98

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*** MATERIAL SAFETY DATA SHEET ***
FOR COATINGS, RESINS AND RELATED MATERIALS PAGE: 1

MANUFACTURER'S NAME: The Lawrence McFadden Co.
STREET ADDRESS : 7430 State Road
CITY, STATE & ZIP : Philadelphia Pa 19136
EMERGENCY PHONE # : (215) 624-6333
INFORMATION PHONE #: (215) 624-6334
DATE WRITTEN: 10/09/96

DATE ISSUED: 07/28/98

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER : DV-2149
PRODUCT NAME : PASTE
PRODUCT CLASS : Speciality Coats

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT WEIGHT	**TLV-UNITS PPM**		LOWER EXPOS LIMIT	VAPOR PRESSURE
		ACGIH-TWA	ACGIH-STEL		
MINERAL SPIRITS CAS# 8052-41-3	30.87	100.00	200.00	0.70	3.10
<u>XYLENE CAS#1330-20-7</u>	0.20	100.00	150.00	1.00	6.50
SUPER HI FLASH CAS#64742-95-6	0.10	100.00	150.00	0.50	2.70
<u>NAPHTHALENE CAS# 91-20-3</u>	0.20	10.00	15.00	0.00	0.00
<u>MANGANESE CAS#7439-96-5</u>	0.18	1.00	3.00	0.00	0.00
COBALT SOAP CAS#136-52-7	0.17	0.00	0.00	0.00	0.00
ALIPHATIC CAS# 64742-88-7	9.95	50.00	100.00	0.00	0.00
KEROSENE CAS #8008-20-6	9.95	50.00	0.00	0.00	0.00
2ETHYLHEXANOIC ACID CAS#149-57-7	0.04	0.00	0.00	0.00	0.00

LEL is expressed in percent; Vapor expressed in mmHg.
The above underlined items are found on Section 313 of the Toxic Chemical List.

SECTION III - PHYSICAL DATA

BOILING RANGE: 306.00 to 380.00 deg. F.

VAPOR DENSITY: HEAVIER LIGHTER THAN AIR
EVAPORATION RATE: FASTER SLOWER THAN ETHER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

OSHA: COMBUSTIBLE LIQUID CLASS II FLASH POINT: 100.00 deg. F.
DOT: COMBUSTIBLE LIQUID

EXTINGUISHING MEDIA:

Foam, CO2, Dry Chemical, Water Fog.
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SECTION IV - FIRE AND EXPLOSION HAZARD DATA continued

Use any class-B Approved Fire Extinguisher

UNUSUAL FIRE AND EXPLOSION HAZARD:

CLOSE CAN AFTER EACH USE. PROMPTLY DISCARD ALL USED RAGS OR TOWELS IN A WATER FILLED CONTAINER FAILURE TO DO SO MAY RESULT IN SPONTANEOUS COMBUSTION.

SPECIAL FIREFIGHTING PROCEDURES:

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool containers to prevent pressure build-up and explosion. Use full protective equipment including self-contained breathing apparatus for protection.

SECTION V - HEALTH HAZARDS

EFFECTS OF OVER EXPOSURE:

Prolonged and repeated contact may cause defatting of skin with irritation. Liquid may cause irritation.

MEDICAL CONDITIONS PRONE TO AGGRAVATION:

Inhalation by persons with respiratory problems could have the condition additionally aggravated.

PRIMARY ROUTE OF ENTRY:

DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES:

Skin contact - flush afflicted areas with water.
Fumes - remove from exposure.
Eye Contact - irrigate with water for 15 minutes.
INGESTION: dilute with water don't induce vomiting until consulting with a Doctor or Poison control

SECTION VI - REACTIVITY DATA

STABILITY UNSTABLE STABLE

HAZARDOUS POLYMERIZATION MAY OCCUR WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may yield carbon monoxide.

CONDITIONS TO AVOID:

CLOSE CAN AFTER EACH USE. PROMPTLY DISCARD ALL
(continued on page: 3)

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SECTION VI - REACTIVITY DATA continued

USED RAGS OR TOWELS IN A WATER FILLED CONTAINER.
FAILURE TO DO SO MAY RESULT IN SPONTANEOUS
COMBUSTION.

INCOMPATIBILITY (MATERIALS TO AVOID):

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove sources of ignition and provide ventila-
tion. Use scoop on large spills and absorbent ma-
terial on small spills. Avoid breathing vapor and
use respiratory protection. Flush area with water.
Hold clean-up materials for disposal.

WASTE DISPOSAL METHOD:

Dispose of in closed containers. Do not inciner-
ate. Bury in landfill where permitted. Disposal
should be done in accordance with federal, state
and local regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

For confined areas use an all purpose canister
mask. (approved by Bureau of Mines)

VENTILATION:

Adequate ventilation should be provided to keep
vapor concentration below the explosion limit.
Heavy solvent vapors should be removed from lower
work areas. All motors should be explosion proof.

PROTECTIVE GLOVES:

Rubber gloves.

EYE PROTECTION:

Safety glasses or face shield

OTHER PROTECTIVE EQUIPMENT:

Safety shower and eye bath

HYGIENIC PRACTICES:

Wash hands before eating or using washroom. Smoke
in designated areas only.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS FOR HANDLING AND STORAGE:

Store in a cool place. Rotate stock. Workers
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SECTION IX - SPECIAL PRECAUTIONS continued

should wear cotton clothing to guard against static charges.

OTHER PRECAUTIONS:

Do not take internally, avoid prolonged contact with skin, ground containers when pouring. Avoid static charges.

SECTION X - ADDITIONAL NON-HAZARDOUS INGREDIENTS

ANTI-SKIN

THIXOTROPE

SECTION XI - DER REPORTING INFORMATION

PRODUCT NUMBER : DV-2149

COATING DENSITY	7.35 LB/GAL	PCT WEIGHT HAPs	0.75 %
VOC DENSITY	6.55 LB/GAL	PCT VOLUME HAPs	0.73 %
VOC (MINUS EXEMPTS)	3.79 LB/GAL	PCT WEIGHT VHAPs	0.41 %
LB HAPs/LB SOLID	0.02	PCT VOLUME VHAPs	0.38 %
LB VHAPs/LB SOLID	0.01		
PCT WEIGHT SOLIDS	48.41 %	PCT VOLUME SOLIDS	42.12 %
PCT WEIGHT VOC	51.59 %	PCT VOLUME VOC	57.88 %
PCT WEIGHT EXEMPTS	0.00 %	PCT VOLUME EXEMPTS	0.00 %

NOTES:

1. ABOVE VALUES ARE ON AS SUPPLIED BASIS AND DO NOT TAKE INTO ACCOUNT ANY ADDITIONS MADE PRIOR TO APPLICATION
2. VALUES ARE CALCULATED FROM FORMULAS AND ARE THEREFORE THEORETICAL IN NATURE

NOTE: The information herein is given in good faith, but no Warranty, express or implied, is made.