

MATERIAL SAFETY DATA SHEET

Identity(As Used on Label and List)

Dermagran Spray

Emergency/Info.Telephone #

DM-4

(812) - 372-2607

Section I - Manufacturer

(Name / Address)

Date Prepared: 01/10/98

Applied Laboratories, Inc.

P.O. Box 448

Columbus, IN 47202-0448

Section II- Hazardous ingredients/identity inform.

OSHA PEL ACGIH TLV %

Ethanol(Ethyl Alcohol)

 $\text{CH}_3\text{CH}_2\text{OH}$

5

Tertiary Butyl Alcohol

 $(\text{CH}_3)_3\text{COH}$

0.0006

Section III-Physical/Chemical Characteristics

Boiling Point = Approx 95°C

Specific Gravity (H_2O = 1

1.0

Vapor Pressure (mm Hg.)

Melting Point

Approx 30 torr @ 27°C

DOES NOT APPLY

Vapor Density (air = 1)

Evaporation Rate

(Butyl Acetate = 1)

1.3

NOT DETERMINED

Solubility in Water

100%

Appearance & Odor

clear, colorless, odor of alcohol.

Section IV - Fire and

Explosion Hazard Data

Flash Point(method used)

Flammable Limits

NOT DETERMINED

I-258245, C-DM4

I-336031, C-DM4

I-536805, C-DM4

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LEL

UEL

Extinguishing Media
Water, CO₂

Special Fire Fighting
Procedures - NONE

Unusual Fire and Explosion
Hazards

NONE

Section V - Reactivity Data

Conditions to Avoid -

Stability - Stable - X

Unstable -

Incompatibility (materials to
avoid)

Hazardous Decomposition or
Byproducts -

Active Metals

NONE

Hazardous Polymerization

Conditions to Avoid -

May Occur -

Will not Occur - X

Section VI - Health Hazard Data

Routes of Entry: Check all
that apply

Health Hazards (acute &
chronic)

Inhalation - X

Acute: May cause mild
bronchial irritation and
coughing.

Chronic: May cause mild
mucous membrane irritation
and depression of central
nervous system.

Skin - X

Acute: NONE

Chronic: May cause mild
irritation.

Ingestion - X

Acute: Mild irritation to
mucous membranes.

Chronic: Liver, kidney damage
Signs and Symptoms of
Exposure:

Carcinogenicity

NTP

IARC Monographs

NONE

OSHA Regulated

NONE APPARENT

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Medical Conditions generally
aggravated by Exposure

NONE

Emergency & First Aid
Procedures: Flush thoroughly
with water if it gets into
eyes or mouth.

Section VII - Precautions for
Safe Handling and Use

Steps to be taken in case
material is released or
spilled: Flush thoroughly
with water.

Waste Disposal Method:
Standard disposal
procedures.

Precautions to be taken in
handling and storage : Store
in tight containers. Provide
adequate ventilation during
use.

Other Precautions:

NONE

Section VIII - Control
Measures

Respiratory Protection
(Specify Type)
Avoid prolonged breathing of
vapor.

Ventilation
Local Exhaust :
Special :
Mechanical : X-(in a
confined area)
Other :
Protective Gloves :
Eye Protection : X-Safety
glasses

Other Protective Clothing or
Equipment: NONE

Work/hygienic Practices:
No unusual practices needed