

REPORT NUMBER: 703
MSDS NO: P21417VS
MAINFRAME UPLOAD DATE: 07/07/98

UNIVAR USA INC.
MATERIAL SAFETY DATA SHEET

PAGE: 001
VERSION: 001

PRODUCT: FLYGEL

ORDER NO: 391422
PROD NO : 679525

NATIONAL AMERICAN SALES
2391 TALBOT AVENUE

THIBODAUX ,LA 70301

UNIVAR USA INC.
6100 CARILLON POINT , KIRKLAND

(425)889-3400
, WA 98033

----- EMERGENCY ASSISTANCE -----

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL - CHEMTREC
(800)424-9300

PRODUCT IDENTIFICATION

PRODUCT NAME: FLYGEL
MSDS#: P21417VS
DATE ISSUED: 7/29/96
SUPERSEDES: NEW
ISSUED BY: 004550

SECTION I - PRODUCT
Emergency Telephone Number
EMERGENCY: (800) 532-1332
OUTSIDE USA: (808) 532-1332

SECTION II - HAZARDOUS INGREDIENTS/INFORMATION
HAZARDOUS COMPONENTS
XMAX CAS NO. CHEMICAL NAME
100% proprietary mixture

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
Specific Gravity (H2O = 1) 1.0

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Boiling Point >100 Deg. C
Vapor Pressure (mm Hg) = water
Melting point: N/A Deg. C
Vapor Density (Air=1) =Water
Evaporation Rate 1 (Water=1)
Percent Volatile (by Volume) Nil
pH 7.0-7.8
Solubility in Water 99%
Appearance Med. Blue Liquid
Odor Perfumed

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Deg. C) Method Used: Not determined
Flammable Limits NA

Extinguishing Media Carbon dioxide, dry chemical, water

Special Fire Fighting Procedures Use self-contained breathing apparatus and protective clothing when fighting fires.

Unusual Fire and Explosion Hazards None

SECTION V- REACTION DATA

Stability Stable under normal conditions.
Incompatibility (Materials to Avoid) Oxidizing agents. Strong acids or alkali compounds may inactivate biological cultures.

Decomposition or Byproducts Oxides of sulfur and nitrogen.

Hazardous Polymerization Will not occur.

SECTION VI - HEALTH HAZARD DATA

Route (s) of Entry:

Inhalation? Low
Skin? Low
Ingestion? Low
Eyes? Low

Health Hazards (Acute and Chronic): HMIS rating H=1 F=0 R=0

Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.

Eye contact is painful and irritating and may cause burns.

Skin contact may cause slight redness on hands and forearms of dermal allergic reaction. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin. Organisms used are non-pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly used antibiotics.

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Inhalation: Mist caused by manufacturing operation may irritate nasal passages.

Occupational Exposure Limits:

CAS NO. OSHA PEL ACGIHLV ACGIH CEILING OTHER SKIN

None

Carcinogenicity:

NTP? No

IARC Monographs? No

OSHA Regulated? No

Signs and Symptoms of Exposure:

Inhalation Irritation

Skin Contact Irritation.

Ingestion None in small amounts.

Eye Contact Burning, irritation.

Medical Conditions Generally Aggravated by Exposure: Dermatitis.

Emergency and First Aid Procedures:

Inhalation Remove to fresh air.

Skin Contact Remove contaminated clothing, wash with soap and water.

Ingestion Induce vomiting only if advised by physician.

Eye Contact Flush with copious amounts of water for at least 15 minutes and have eyes examined and treated by medical personnel.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken in Case Material is Released or Spilled:

Small Spills: Mop up or absorb on inert material.

Large Spills: Contain and place in appropriate container for disposal.

Waste Disposal Method: Disposal of this product or its residues must be in accordance with all local, state and Federal requirements.

To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110 F. and keep from freezing.

Precautions To Be Taken in Handling and Storing: Follow good housekeeping and hygiene practices to help prevent accidental exposure or ingestion.

Other Precautions: Wash affected areas of body after using.

SECTION VIII- CONTROL MEASURES

Respiratory Protection NIOSH approved respiratory equipment not required under normal conditions.

Ventilation Yes

Local Exhaust Yes

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Forced Exhaust No
Protective Gloves Rubber
Eye Protection Goggles

Other Protective Clothing or Equipment None

Work/Hygienic Practices Wash hands and face before eating, drinking or smoking
after handling material.

SECTION IX - REGULATORY INFORMATION & REFERENCES

Not subject to Proposition 65 labeling requirements.
All ingredients are listed on the TSCA inventory.

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302 Reporting No
SECTION 304 Reporting No
SECTION 313 Reporting Required No
SECTION 312 Reporting Required Yes
CERCLA Reporting Required No
RCRA Reporting Required No

Canadian WHMIS Classification Class 02B

D.O.T. Proper Shipping Name Not DOT Regulated
D.O.T. ID Number Not Regulated
D.O.T. Hazard Class Not DOT Regulated