

MATERIAL SAFETY DATA SHEET

TITAN INDUSTRIAL CHEMICALS LLC, GROVER, MO 63040 EMERGENCY #1-877-273-9030

EFFECTIVE DATE: 3-10-08

PRODUCT CODE: 413

PRODUCT NAME: "EXTRACT L/F"

MSD: 413-1

HAZARDOUS INGREDIENTS (TYPICAL VALUES -- NOT SPECIFICATION)

NONE

Section 1

Boiling Point: 200-225 deg F

Vap. Press. (mmHg @ 25°C): 24.0

Vap. Density (Air = 1): NA

pH: 8.50

EVAP. RATE (BUTYL ACETATE=1): <1

Appearance and Odor: WHITE, OPAQUE EMULSION. VERY LOW ODOR.

Section 2

Flash Point: NONE

Method Used: TCC

Extinguishing Media: USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Special Fire Fighting Equipment and Hazards: NONE REQUIRED.

Section 3

Stability: STABLE

Incompatibility: STRONG BASES AND MINERAL ACIDS.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF SILICON.

Hazardous Polymerization: WILL NOT OCCUR.

Section 4

Action to be taken for Spills (Use Appropriate Safety Equipment): ABSORB WITH INERT MATERIAL AND FLUSH REMAINDER WITH WATER.

Disposal Method: CONSULT FEDERAL, STATE AND LOCAL REGULATIONS.

Section 5

Ingestion: MAY CAUSE SOME MILD GASTROINTESTINAL DISTRESS AND IRRITATION.

Eye Contact: MAY CAUSE MILD EYE IRRITATION DEPENDING ON AMOUNT AND LENGTH OF EXPOSURE.

Skin Contact: NOT CONSIDERED A SKIN IRRITANT UNDER NORMAL USE CONDITIONS.

Skin Absorption: WILL NOT OCCUR.

Inhalation: NO HARMFUL EFFECTS UNDER NORMAL USE CONDITIONS.

Section 6

Eyes: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER WHILE HOLDING UPPER AND LOWER LIDS OPEN. GET MEDICAL ATTENTION IF IRRITATION IS EVIDENT.

Skin: IF IRRITATION IS EVIDENT FROM OVER-EXPOSURE OR SKIN SENSITIVITY, GET MEDICAL ATTENTION.

Inhalation: IN THE UNLIKELY EVENT THAT OVEREXPOSURE OCCURS, MOVE PERSON TO FRESH AIR. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. CALL A PHYSICIAN.

Ingestion: INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT. KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF MATERIAL INTO LUNGS. GET MEDICAL ATTENTION.

SUPPLEMENTAL HEALTH INFORMATION ACUTE TOXICITY DATA

Eyes: N/A

Skin: N/A

Respiratory: N/A

Oral:

CARCINOGENICITY: NTP: NO IARC: NO OSHA REGULATED?: NO

Section 7

Ventilation: NORMAL ROOM VENTILATION IS ADEQUATE.

Respiratory Protection: NONE REQUIRED FOR NORMAL USE OF PRODUCT.

Protective Clothing: NONE REQUIRED.

Eye Protection: WEAR CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES WITH SIDE SPLASH GUARDS IF OVEREXPOSURE IS EXPECTED.

Section 8

Precautions to be Taken in Handling and Storage: TREAT EMPTY CONTAINERS AS IF THEY WERE FULL DUE TO PRESENCE OF PRODUCT RESIDUE. KEEP FROM FREEZING. KEEP CONTAINER TIGHTLY CLOSED.

Additional Information: HMIS...1,0,0,A

SECTION 9 D.O.T. SHIPPING INFORMATION

PROPER SHIPPING NAME: LIQUID CLEANING COMPOUND

HAZARD CLASS: NONE (NOT D.O.T. REGULATED)

LABEL REQUIREMENTS: NONE

ID NO.: NONE

EMERGENCY RESPONSE GUIDE NO.: NONE

SECTION 10 ENVIRONMENTAL INFORMATION

RCRA WASTE NO.: N/A

REPORTABLE QUANTITY (CERCLA): NONE

NFPA: 1,0,0

THRESHOLD PLANNING QUANTITY: NONE

SARA TITLE III, SEC. 313: N/A

CONSULT TITAN INDUSTRIAL CHEMICALS LLC FOR FURTHER INFORMATION.

THE INFORMATION GIVEN HEREIN IS PROVIDED IN GOOD FAITH. HOWEVER, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

Physical Data

Sol. In Water: COMPLETE

Sp. Gravity (@25/25°C): 1.00

% Volatile by Volume: 70.% inclgd. H2O

Fire and Explosion Hazard Data

Flammable Limits:

LEL (% Vol): NA UEL (% Vol): NA

Reactivity Data

Spill, Leakage, and Disposal Procedures

Health Hazard Data -- Effect of Overexposure

First Aid

Special Handling Information

Special Precautions and Additional Information