

MATERIAL SAFETY DATA SHEET

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

EFFECTIVE DATE:3-02-08

PRODUCT CODE: 444

PRODUCT NAME:"SEAL OUT RTU"

MSD: 444-1

HAZARDOUS INGREDIENTS (TYPICAL VALUES -- NOT SPECIFICATION)

ISOPROPANOL; CAS NO.67-63-0; TWA 400PPM-OSHA; STEL 500PPM-ACGIH

Section 1

Boiling Point:200 deg.F.

Vap. Press. (mmHg @ 25°C):UNKNOWN

pH:8.0-9.0

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

Vap. Density (Air = 1):UNKNOWN

Appearance and Odor:CLEAR, BLUE LIQUID. WATER-LIKE VISCOSITY. SLIGHT ALCOHOL ODOR.

Section 2

Flash Point:NONE

Method Used:TCC

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE. WATER FOG, ALCOHOL FOAM, DRY CHEMICAL OR CO2.

Special Fire Fighting Equipment and Hazards:COOL FIRE EXPOSED CONTAINERS WITH WATER.

Section 3

Stability:STABLE

Incompatibility:STRONG OXIDIZERS.

Hazardous Decomposition Products:CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

Hazardous Polymerization:WILL NOT OCCUR.

Section 4

Action to be taken for Spills (Use Appropriate Safety Equipment):SOAK UP WITH AN INERT ABSORBENT AND PLACE IN SUITABLE CONTAINER FOR DISPOSAL. FLUSH REMAINDER WITH WATER.

Disposal Method:CONSULT FEDERAL, STATE AND LOCAL REGULATIONS.

Section 5

Ingestion:MAY CAUSE MILD GASTROINTESTINAL IRRITATION. VERY LOW ORDER OF TOXICITY.

Eye Contact:MODERATELY IRRITATING TO EYES AND SURROUNDING TISSUE.

Skin Contact:REPEATED OR PROLONGED EXPOSURE MAY CAUSE DEFATTING AND DRYING WHICH MAY CAUSE IRRITATION AND DERMATITIS.

Skin Absorption:WILL NOT OCCUR.

Inhalation:MAY CAUSE MILD IRRITATION TO THE THROAT, NOSE AND RESPIRATORY TRACT IF TLV IS EXCEEDED.

Section 6

Eyes:IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING UPPER AND LOWER EYELIDS OPEN. GET MEDICAL ATTENTION IF IRRITATION IS EVIDENT.

Skin:WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES AND LAUNDRY BEFORE RE-USE. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

Inhalation:MOVE PERSON TO FRESH AIR. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. GET MEDICAL ATTENTION.

Ingestion:DRINK 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING FINGER TO BACK OF THROAT. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION OF MATERIAL INTO LUNGS. GET MEDICAL ATTENTION.

SUPPLEMENTAL HEALTH INFORMATION (ACUTE TOXICITY DATA)

Eyes: Skin:DERMAL LD50=13000 MG/KG (RABBIT) FOR ISOPROPANOL

Respiratory: 12000 PPM (RAT) FOR ISOPROPANOL.

Oral: 5840 MG/KG (RAT) FOR ISOPROPANOL.

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

Section 7

Ventilation:NORMAL ROOM VENTILATION IS ADEQUATE. DO NOT USE OR SPRAY IN NON-VENTILATED, ENCLOSED AREAS.

Respiratory Protection:NONE REQUIRED FOR INTENDED USE OF PRODUCT.

Protective Clothing:WHEN HANDLING CONCENTRATE, WEAR PROTECTIVE GLOVES AND CLOTHING TO MINIMIZE CONTACT WITH SKIN.

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES WITH SIDE SPLASH GUARDS WHEN HANDLING CONCENTRATE.

Section 8

Precautions to be Taken in Handling and Storage:TREAT EMPTY CONTAINERS AS IF THEY WERE FULL DUE TO PRESENCE OF PRODUCT RESIDUE. STORE IN A COOL, DRY PLACE AWAY FROM HEAT AND DIRECT SUNLIGHT. KEEP CONTAINERS TIGHTLY CLOSED.

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

SECTION 9 D.O.T SHIPPING INFORMATION

PROPER SHIPPING NAME: LIQUID CLEANING COMPOUND

HAZARD CLASS: NONE LABEL REQUIREMENTS: NONE ID NO.: NONE EMERGENCY RESPONSE GUIDE NO.: NONE

SECTION 10 ENVIRONMENTAL INFORMATION

RCRA WASTE NO.: N/A

REPORTABLE QUANTITY (CERCLA):N/A

NFPA: 1,0,1

THRESHOLD PLANNING QUANTITY:N/A

SARA TITLE III, SEC. 313:N/A

Physical Data

Sol. In Water:COMPLETE

Sp. Gravity (@25/25°C):.990

% Volatile by Volume:99.0% incldg.H2O

Fire and Explosion Hazard Data

Flammable Limits:

LFL (% Vol):N/A UFL (% Vol):N/A

Reactivity Data

CONSULT TITAN INDUSTRIAL CHEMICALS, LLC FOR FURTHER INFORMATION.

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