

**MATERIAL SAFETY DATA SHEET**

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

EFFECTIVE DATE: 3-10-08

PRODUCT CODE: 463

PRODUCT NAME: "AUTO SCRUB"

MSD: 463-1

HAZARDOUS INGREDIENTS (TYPICAL VALUES -- NOT SPECIFICATION)

NONE

**Section 1**

Boiling Point: 280 F.

Vap. Press. (mmHg @ 25°C):NA

Vap. Density (Air = 1):NA

pH:9.9 (CON.); 8.50 (1% SOL'N) EVAP.RATE (B-ACETATE=1): <1

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

**Section 2**

Flash Point: NONE

Method Used: TCC

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Special Fire Fighting Equipment and Hazards:NONE KNOWN.

**Section 3**

Stability:STABLE

Incompatibility:STRONG ACIDS AND OXIDIZERS.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE,OXIDES OF SULPHUR, WHEN EXPOSED TO EXTREMELY HIGH TEMPERATURES.

Hazardous Polymerization:WILL NOT OCCUR.

**Section 4**

Action to be taken for Spills (Use Appropriate Safety Equipment):FLUSH WITH LARGE AMOUNTS OF WATER.

Disposal Method:CONSULT FEDERAL, STATE AND LOCAL REGULATIONS

**Section 5**

Ingestion:MAY CAUSE MODERATE GASTROINTESTINAL IRRITATION DEPENDING UPON AMOUNT INGESTED.

Eye Contact:MAY CAUSE MODERATE EYE IRRITATION AND IRRITATION OF SURROUNDING TISSUE.

Skin Contact:MAY CAUSE MODERATE SKIN IRRITATION, REDNESS, DRYNESS, ITCHING.

Skin Absorption:WILL NOT OCCUR.

Inhalation:EXCESSIVE INHALATION MAY CAUSE NAUSEA, DIZZINESS.

**Section 6**

Eyes:FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING UPPER AND LOWER LIDS OPEN. GET MEDICAL ATTENTION.

Skin:FLUSH WITH LARGE AMOUNT OF WATER. APPLY MOISTURIZING SKIN LOTION. IF IRRITATION IS EVIDENT GET MEDICAL ATTENTION.

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

Ingestion:DRINK 2 GLASSES OF WATER OR MILK AND 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:N/A

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

**SECTION 7**

Ventilation:NORMAL ROOM VENTILATION IS ADEQUATE.

Respiratory Protection:NONE REQUIRED FOR NORMAL USE.

Protective Clothing:IF PROLONGED OR REPEATED EXPOSURE IS EXPECTED, WEAR IMPERVIOUS GLOVES, CLOTHING, BOOTS.

Eye Protection:SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES.

**Section 8**

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

Additional Information: HMIS. 2,0,0,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:N/A

NFPA:2,0,0

THRESHOLD PLANNING QUANTITY:NONE

SARA TITLE III, SEC 313:N/A

CONSULT TITAN INDUSTRIAL CHEMICALS LLC. FOR FURTHER INFORMATION.

**Physical Data**

Sol. In Water:COMPLETE

Sp. Gravity (@25/25°C):1.050

% Volatile by Volume:93.0% incldg. H2O

**Fire and Explosion Hazard Data**

Flammable Limits:

LFL (% Vol): NA UFL (% 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**

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