

TIMMONS AND CHARLES INC -- LIQUI-VAP 303 SCALE PREVENTIVE COMPOUND --  
6850-00-173-7243

===== Product Identification =====

Product ID:LIQUI-VAP 303 SCALE PREVENTIVE COMPOUND

MSDS Date:05/22/1989

FSC:6850

NIIN:00-173-7243

MSDS Number: BDFLP

=== Responsible Party ===

Company Name:TIMMONS AND CHARLES INC

Address:991 E LINDEN AVE

Box:507

City:LINDEN

State:NJ

ZIP:07036-2416

Country:US

Info Phone Num:201

-862-9100

Emergency Phone Num:908-862-9100

Preparer's Name:ROBERT A. PAUL

CAGE:5G937

=== Contractor Identification ===

Company Name:TIMMONS AND CHARLES INC

Address:991 E LINDEN AVE

Box:1175

City:LINDEN

State:NJ

ZIP:07036-2416

Country:US

Phone:908-862-9100/FAX908-862-1680

Contract Num:SP0450-01-M-ZG73

CAGE:5G937

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

= Wt:15.

Other REC Limits:NONE SPECIFIED

OS

HA PEL:2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:POLYACRYLIC ACID/WATER SOLUBLE POLYMER  
Fraction by Wt: 30%  
Other REC Limits:NONE SPECIFIED

Ingred Name:POLYOXYPROPYLENE GLYCOL  
CAS:9003-11-6  
RTECS #:MD0911050  
Fraction by Wt: 0.2%  
Other REC Limits:NONE SPECIFIED

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
= Wt:55.

===== Hazards Identification =====

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER  
Routes of  
Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:MAY CAUSE IRRITATION TO SKIN. WILL  
CAUSE IRRITATION OF EYES.  
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:EYE:IRRITATION SKIN:POSSIBLE IRRITATION  
INHALED:NOT GIVEN INGESTED:NOT GIVEN  
Medical Cond Aggravated by Exposure:NONE GIVEN BY MANUFACTURER  
(SUPP  
LIER).

===== First Aid Measures =====

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH  
SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE  
REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF  
NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES  
OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY  
MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A  
DOCTOR.

=====

===== Fire Fighting Measures =====

Extinguishing Media:NONE GIVEN BY MANUFACTURER (SUPPLIER). PRODUCT IS NON FLAMMABLE. USE MEDIA APPROPRIATE FOR SOURCE OF FIRE.  
Fire Fighting Procedures:NONE GIVEN BY MANUFACTURER. DLA-HMIS: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.  
Unusual Fire/Explosion Hazard:NONE GIVEN BY MANUFACTURER (SUPPLIER).

DLA-HMIS: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

===== Accidental Release Measures =====

Spill Release Procedures:WIPE/SOAK UP WITH CLOTH OR PAPER TOWEL OR INERT ABSORBENT. PUT IN DISPOSAL CONTAINER. REMOVE RESIDUE WITH WATER.  
Neutralizing Agent:WATER

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.  
Other Precautions:DO NOT USE IN AN ENCLOSED AREA.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR DUST/MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATOR USE.  
Ventilation:GENERAL ROOM VENTILATION IS NORMALLY ADEQUATE. USE LOCAL EXHAUST IF NECESSARY TO CONTROL EXPOSURE BELOW PEL/TLV.  
Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER  
Eye Protection:SAFETY GLASSES OR GOGGLES  
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT.  
Supplemental Safety and Health  
NO DATA PROVIDED BY MANUFACTURER

===== Physical/Chem

ical Properties =====

HCC:N1

Boiling Pt.=100.C, 212.F

Melt/Freeze Pt: