

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:20

1-862-9100

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

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SHA 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.

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

LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER

Routes o

f 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  
(SUP  
PLIER).

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===== 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.

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===== 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.

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===== 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

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED  
AREA. KEEP C

CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT  
CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT USE IN AN ENCLOSED AREA.

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===== 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

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===== Physical/Che

mical Properties =====

HCC:N1

Boiling Pt:=100.C, 212.F

Melt/Freeze Pt: