

# JOINT VENTURE

Helena Chemical Company  
 PH: 1-901-761-0050  
**CHEMTREC:** 1-800-424-9300  
**Effective Date:** 05-15-00  
**Product:** JOINT VENTURE

## I. IDENTIFICATION

**Chemical Name:** MIXTURE OF ORGANOSILICONE SURFACTANTS  
**Chemical Family:** NONIONIC SURFACTANTS  
**Formula:** NOT APPLICABLE, FORMULATED MIXTURE  
**Synonyms:** NONE  
**CAS Number:** NOT APPLICABLE, FORMULATED MIXTURE  
**EPA Number:** NONE REQUIRED

## II. PHYSICAL DATA

**Boiling Point:** >150 DEGREES C.  
**Freezing Point:** <35 DEGREES F.  
**Spec Gravity:** 1.030 GMS/CC  
**Vapor Pressure:** <1 MM HG  
**Vapor Density:** >1  
**Solubility:** DISPERSIBLE  
**Volatiles:** <0.1  
**Evaporation:** <1  
**Melting Point:** NOT DETERMINED  
**Appearance:** CLEAR, VISCOUS LIQUID, SURFACTANT ODOR.

## III. INGREDIENTS

| Material   | CAS Number | Percent | TLV      | Hazard                   |
|--|------------|---------|----------|--------------------------|
| PROPRIETARY BLEND OF POLY-ALKYLENEOXIDE MODIFIED ORGANOSILICONES, ARYL POLYOXYLKANE ETHER AND ALIPHATIC ESTER OF C9-12 FATTY ACIDS |            | 100.00  | 15 MG/M3 | MILD SKIN & EYE IRRITANT |

NOTE: THIS PRODUCT CONTAINS ORGANOSILICONE SURFACTANTS

## IV. FIRE AND EXPLOSION HAZARD

**Flash Point:** 240 DEGREES F. (PMCC)  
**Autoignition Temp:** NOT DETERMINED  
**Flammable Limit:** NOT DETERMINED  
**Extinguishing Media:** USE ALCOHOL TYPE OR UNIVERSAL TYPE FOAM FOR LARGE FIRES. USE CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRES.  
**Special Fire Fight Proc:** USE SELF-CONTAINED BREATHING APPARATUS AND AVOID BREATHING FUMES. AVOID SPRAYING A SOLID STREAM OF WATER OR FOAM DIRECTLY INTO A POOL OF HOT, BURNING LIQUID. THIS MAY CAUSE FROTHING.  
**Fire and Expl Hazard:** NONE NOTED.

## V. HEALTH HAZARD

**Carcinogen Information:** NONE CURRENTLY KNOWN.  
**ACUTE EFFECTS OF OVER EXPOSURE**  
**Swallowing:** SLIGHTLY TOXIC, ORAL LD50 (RAT) 3,343 MG/KG. INGESTION MAY CAUSE NAUSEA, ABDOMINAL DISCOMFORT, VOMITING AND DIARRHEA. EPA CATEGORY III.  
**Skin Absorption:** DERMAL LD60 (RABBIT) >2,020 MG/KG. NO TOXIC EFFECTS EXPECTED DUE TO SKIN ABSORPTION BASED ON CURRENTLY KNOWN INFORMATION.  
**Inhalation:** THERE IS NO LC50 FOR THIS MATERIAL SINCE NO FATALITIES OCCURRED AT THE HIGHEST ATMOSPHERIC CONCENTRATION ACHIEVABLE IN THIS STUDY.  
**Skin contact:** MAY CAUSE SLIGHT SKIN IRRITATION AFTER REPEATED OR PROLONGED CONTACT. EPA CATEGORY IV.  
**Eye Contact:** MAY CAUSE MILD EYE IRRITATION WITH DIRECT CONTACT WITH THE MATERIAL. EPA CATEGORY III.

**Chronic Effects:** ACTIVITY DECREASE, NASAL DISCHARGE, POLYURIA, RESPIRATORY GURGLE AND SALIVATION.

**Other Hazard:** NONE CURRENTLY KNOWN.

## EMERGENCY AND FIRST AID PROCEDURES

**Swallowing:** GIVE A LARGE AMOUNT OF WATER TO DRINK. DO NOT INDUCE VOMITING. IMMEDIATELY CALL A PHYSICIAN.

**Skin:** REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.

**Inhalation:** MOVE TO FRESH AIR, OBTAIN MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT. NO EMERGENCY CARE ANTICIPATED.

**Eyes:** IN CASE OF CONTACT WITH EYES, IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Notes to Physician:** THERE IS NO SPECIFIC ANTIDOTE FOR THIS PRODUCT. TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

## VI. REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** NONE NOTED.

**Polymerization:** Will Not Occur

**Conditions to Avoid:** NONE NOTED.

**Incompatibility material:** NONE NOTED.

**Hazardous Combustion:** BURNING CAN PRODUCE CARBON DIOXIDE, CARBON MONOXIDE, AND OXIDES OF SILICON.

## VII. SPILL OR LEAK PROCEDURES

**Spill or Leak Proc:** ROPE OFF CONTAMINATED AREA, COVER SPILL WITH AN ABSORBENT, SUCH AS CLAY, SAND, OR SAWDUST. PLACE IN RECOVERY DRUMS FOR PROPER DISPOSAL. WEAR SUITABLE PROTECTIVE EQUIPMENT.

**Waste Disposal Method:** THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

## VIII. SPECIAL PROTECTION INFORMATION

**Respiration:** NONE REQUIRED UNDER NORMAL CONDITIONS.

**Ventilation:** GENERAL (MECHANICAL) ROOM VENTILATION IS EXPECTED TO BE SATISFACTORY.

**Gloves:** IMPERVIOUS (PVC-COATED)

**Eyes:** MONOGOGGLES

**Other:** EMERGENCY SHOWER, EYEWASH STATION, PROTECTIVE APRON AND FOOTWEAR.

## IX. SPECIAL PRECAUTIONS

**Special precaution:** KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS WITH RINSATE FROM CONTAINERS OR EQUIPMENT. DO NOT GET IN EYES. AVOID CONTACT WITH SKIN AND CLOTHING AND AVOID BREATHING VAPORS. KEEP CONTAINER CLOSED AND USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

**Other precaution:**

A) RCRA HAZARDOUS WASTE NUMBER: NOT LISTED

B) SARA TITLE III, SECTION 313: NOT LISTED

C) SARA THRESHOLD PLANNING QUANTITY: NOT LISTED

D) CERCLA REPORTABLE QUANTITY: NOT LISTED

E) SECTION 313, CLEAN AIR ACT: NOT LISTED

## X. SHIPPING INFORMATION

**Shipping name:** NOT REGULATED BY DOT, IATA, OR IMO

**Hazard Class:** NONE

**Identification No:** NONE

**Labels Required:** NONE

**Placarding:** NONE

**Freight Class:** ADJUVANT, SPREADER OR STICKER, LIQUID, NOIBN

| Chemical Name  | Equivalent R.Q. |
|----------------|-----------------|
| NOT APPLICABLE | NOT APPLICABLE  |

## XI. GENERAL PRODUCT INFORMATION

**National Fire Protection Association Rating:**

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**Health:** 2

**Fire:** 1

**Reactivity:** 0

**S.A.R.A. Title III Hazard Classification:** (Yes/No)

**Immediate (Acute) Health:** Y

**Delayed (Chronic) Health:** N

**Sudden Release of pressure:** N

**Fire:** N

**Reactive:** N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017

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