

Material Safety Data Sheet

Effective Date: 18-AUG-2008
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 POLYALKYLENEOXIDE 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

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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.

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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

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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

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