

KINETIC

Helena Chemical Company
 PH: 1-901-761-0050
 CHEMTREC: 1-800-424-9300
 Effective Date: 01-23-00
 Product: KINETIC

I. IDENTIFICATION

Chemical Name: MIXTURE OF 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 APPLICABLE
Appearance: CLEAR, VISCOUS LIQUID, SURFACTANT ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF POLY-ALKYLENEOXIDE MODIFIED POLYDIMETHYL-SILOXANE AND NONIONIC SURFACTANT NOTE: THIS PRODUCT CONTAINS ORGANOSILICONE SURFACTANTS		100.00	15 MG/M3	MILD SKIN & EYE IRRITANT

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.
Skin Absorption: DERMAL LD50 (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 A SLIGHT SKIN IRRITATION AFTER REPEATED OR PROLONGED CONTACT WITH THIS MATERIAL.
Eye Contact: MAY CAUSE MILD EYE IRRITATION AFTER DIRECT CONTACT WITH THIS MATERIAL.
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. MAKE PERSON VOMIT AND IMMEDIATELY CALL A PHYSICIAN. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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, EYE WASH 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. AVOID BREATHING VAPORS. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Other precaution:

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372. ALL INGREDIENTS ARE EXEMPT FROM THE REQUIREMENTS OF A TOLERANCE AS SPECIFIED IN 40 CFR 180.1001(C).

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT, IATA (AIR), OR IMDG (WATER).

Hazard Class: NONE

Identification No: NONE

Labels Required: NONE REQUIRED

Placarding: NONE REQUIRED

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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