

Material Safety Data Sheet

Effective Date: 01-AUG-2012  
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 F.  
Freezing Point: <35 Degrees F.  
Spec Gravity: 1.02-1.04 gms/cc  
Vapor Pressure: <1 mm/Hg  
Vapor Density: >1  
Solubility: Dispersible  
Volatiles: <0.1  
Evaporation: <1  
Melting Point: Not applicable  
Appearance: Clear, water white liquid with surfactant odor.

-----  
III. INGREDIENTS  
-----

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of polyalkyleneoxide modified polydimethylsiloxane and nonionic surfactant.		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 extinguishing agents for large fires. Use carbon dioxide or dry chemical extinguishers for small fires.  
Special Fire Fight Proc: Use self-contained breathing apparatus and full protective equipment. Avoid breathing fumes. Avoid spraying a solid stream of water

Material Safety Data Sheet

Effective Date: 01-AUG-2012  
Product: KINETIC

-----  
or foam directly into a pool of hot, burning liquid as 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. Acute Oral LD50 (rat) = 3,343 mg/kg. Ingestion may cause nausea, abdominal discomfort, vomiting and diarrhea.  
Skin Absorption: Acute Dermal LD50 (rabbit) > 2,020 mg/kg. No toxic effects anticipated from skin absorption based on current data.  
Inhalation: No Acute Inhalation LC50 is available since no fatalities occurred at the highest atmospheric concentration achievable in the study.  
Skin contact: May cause slight skin irritation after repeated or prolonged contact.  
Eye Contact: May cause mild eye irritation after direct contact.  
Chronic Effects: Long term effects of overexposure include activity decrease, nasal discharge, polyuria, respiratory gurgle and salivation.  
Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES  
-----

Swallowing: Drink a large amount of water. Induce vomiting 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 plenty of soap and water. Call a physician if irritation persists or develops.  
Inhalation: Move to fresh air. Obtain medical attention if breathing becomes difficult. No emergency care anticipated.  
Eyes: Immediately flush eyes with water, continuing for at least 15 minutes. Obtain medical attention if irritation persists.  
Notes to Physician: There is no specific antidote for this material. Treatment should be directed toward control of the symptoms and the clinical condition of the patient.

Material Safety Data Sheet

Effective Date: 01-AUG-2012  
Product: KINETIC

-----  
-----  
VI. REACTIVITY  
-----

Stability: Stable  
Conditions to Avoid: None currently known.  
Polymerization: Will Not Occur  
Conditions to Avoid: None currently known.  
Incompatibility material: None noted.  
Hazardous Combustion: May produce carbon dioxide, carbon monoxide  
and oxides of silicon under fire conditions.

-----  
VII. SPILL OR LEAK PROCEDURES  
-----

Spill or Leak Proc: Isolate spill area. Cover spilled product with  
an inert absorbent, such as clay, sand or  
sawdust. Collect and place in suitable  
containers for disposal.  
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: Splashproof goggles  
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  
contaminated water supplies, lakes, streams or  
ponds with this material or with rinsate from  
containers or equipment. Avoid contact with  
skin or clothing and avoid breathing vapors.  
Keep containers closed when not in use. Only  
use with adequate ventilation.  
Other precaution: This product does not contain any chemical  
subject to the reporting requirements of  
Section 313 of the Superfund Amendments and

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

17-DEC-2012 09:50:20  
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 01-AUG-2012  
Product: KINETIC

-----  
Reauthorization Act of 1986 and 40 CFR Part 372. All ingredients in this mixture 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 or IMDG.  
Hazard Class: None  
Identification No: None  
Labels Required: None required  
Placarding: None  
Freight Class: Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60) "Non-DOT Regulated"

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  
Helena Chemical Company believes that the data contained herein is factual. This data is not to be taken as a warranty or representation of legal responsibility. It is offered solely for your consideration, investigation and verification.