

INDUCE

Helena Chemical Company
 PH: 901-761-0050
CHEMTREC: 800-424-9300
Effective Date: 16-FEB-2005
Product: INDUCE

I. IDENTIFICATION

Chemical Name: MIXTURE OF NONIONIC SURFACTANTS.

Chemical Family: SURFACTANTS

Formula: NOT APPLICABLE, FORMULATED MIXTURE.

Synonyms: NONE

CAS Number: NOT APPLICABLE, FORMULATED MIXTURE.

EPA Number: CAL. REG. NO. 5905-50091

II. PHYSICAL DATA

Boiling Point: >250 DEGREES F.

Freezing Point: <40 DEGREES F.

Spec Gravity: .9975 GMS/CC

Vapor Pressure: NOT ESTABLISHED

Vapor Density: 2.1

Solubility: DISPERSIBLE

Volatiles: 8 - 10%

Evaporation: NOT APPLICABLE

Melting Point: NOT APPLICABLE

Appearance: YELLOW LIQUID, ALCOHOL ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF ALKYL ARYL POLYOXYLKANE ETHER, AND FREE FATTY ACIDS		90.00	150 MG/M3	MODERATE SKIN & EYE IRRITANT
WATER AND FORMULATION AIDS		10.00	NOT ESTABLISHED	NONHAZARDOUS

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 DEGREES F.

Autoignition Temp: >750 DEGREES F.

Flammable Limit: NOT APPLICABLE

Extinguishing Media: DRY CHEMICAL, WATER SPRAY, WATER FOG, CARBON DIOXIDE, FOAM, OR SAND/EARTH.

Special Fire Fight Proc: FIRE FIGHTERS MUST BE EQUIPPED TO PREVENT BREATHING OF VAPORS OR PRODUCTS OF COMBUSTION. WEAR AN APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Fire and Expl Hazard: WATER SPRAY MAY BE INEFFECTIVE. COOL FIRE-EXPOSED CONTAINERS WITH WATER. FOG NOZZLES ARE PREFERABLE. CLOSED CONTAINERS MAY RUPTURE/EXPLODE WHEN EXPOSED TO EXTREME HEAT.

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: THE ACUTE ORAL LD50 (MALE RAT) = >5,010 MG/KG. MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

Skin Absorption: THE ACUTE DERMAL LD50 (RABBIT) = >2,010 MG/KG.

Inhalation: EXPOSURE MAY CAUSE NASAL AND RESPIRATORY IRRITATION.

Skin contact: MAY CAUSE IRRITATION AFTER REPEATED EXPOSURE, DEFATTING AND DERMATITIS. PRODUCT CONSIDERED A MODERATE SKIN IRRITANT.

Eye Contact: MAY CAUSE SEVERE EYE IRRITATION IN UNWASHED EYES. PRODUCT CONSIDERED A MODERATE EYE IRRITANT.

Chronic Effects: NONE CURRENTLY KNOWN.

Other Hazard: MILD IRRITATION OF EYES AND NOSE OCCURS AT VERY HIGH CONCENTRATIONS. THE LIQUID CAN DEFAT THE SKIN, PRO-

DUCING A DERMATITIS CHARACTERIZED BY DRYING AND FISSURING.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: GIVE 1 TO 2 GLASSES OF WATER TO DRINK AND INDUCE VOMITING BY INSERTING FINGER TO BACK OF THROAT. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN. LAUNDRER CLOTHING BEFORE REUSE.

Inhalation: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN AND CALL A PHYSICIAN IMMEDIATELY.

Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS.

VI. REACTIVITY

Stability: Stable

Conditions to Avoid: EXCESSIVE HEAT AND OPEN FLAMES.

Polymerization: Will Not Occur

Conditions to Avoid: NONE CURRENTLY KNOWN.

Incompatibility material: AVOID CONTACT WITH STRONG OXIDIZERS SUCH AS HYDROGEN PEROXIDE, BROMINE, AND CHROMIC ACID.

Hazardous Combustion: CARBON MONOXIDE AND CARBON DIOXIDE UNDER FIRE CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: ABSORB WITH AN INERT MATERIAL SUCH AS SAND, SOIL OR VERMICULITE. SWEEP UP AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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: USE NIOSH/MSHA CERTIFIED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF CONCENTRATION EXCEEDS PERMISSIBLE EXPOSURE LIMITS.

Ventilation: MECHANICAL EXHAUST SYSTEM.

Gloves: IMPERVIOUS

Eyes: CHEMICAL WORKERS GOGGLES.

Other: EYE WASH STATION, IMPERVIOUS 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. KEEP CONTAINERS TIGHTLY CLOSED. KEEP AWAY FROM HEAT, SPARKS OR FLAMES. STORE BETWEEN 40 DEGREES F AND 120 DEGREES F.

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.

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: 1

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: Y

Reactive: N

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

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