

Material Safety Data Sheet

Effective Date: 02-Jan-2000
Product: ALIGN

I. IDENTIFICATION

Chemical Name: SURFACTANT/FATTY ALCOHOLS/BUTOXY ETHANOL
Chemical Family: SURFACTANTS
Formula: NOT APPLICABLE, FORMULATED MIXTURE.
Synonyms: FOAM MARKER (100:1)
CAS Number: NOT APPLICABLE, FORMULATED MIXTURE.
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >173 DEGREES F.
Freezing Point: <32 DEGREES F.
Spec Gravity: 1.020 GMS/CC
Vapor Pressure: 40 (MMHG)
Vapor Density: NOT APPLICABLE
Solubility: SOLUBLE @ 25 DEGS. C
Volatiles: NOT DETERMINED
Evaporation: NOT APPLICABLE
Melting Point: NOT APPLICABLE
Appearance: CLEAR YELLOW LIQUID, BLAND ODOR

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF NONIONIC AND ANIONIC SURFACTANTS, FATTY ALCOHOLS, AND BUTOXY ETHANOL (CONTAINS BUTOXY ETHANOL - CAS 111-76-2)		100.00	25 PPM (SKIN)	MILD SKIN & EYE IRRITANT, COMBUSTIBLE LIQUID

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >150 DEGREES F.
Autoignition Temp: NOT AVAILABLE
Flammable Limit: NOT AVAILABLE
Extinguishing Media: ALCOHOL FOAM, DRY CHEMICAL AND CARBON DIOXIDE.
Special Fire Fight Proc: FIRE FIGHTERS MUST BE EQUIPPED TO PREVENT BREATHING OF VAPORS OR PRODUCT OF COMBUSTIONS. WEAR AN APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.
Fire and Expl Hazard: USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

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V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: IF INGESTED, SEEK IMMEDIATE MEDICAL ATTENTION.
Skin Absorption: HARMFUL IF ABSORBED BY SKIN.
Inhalation: EXCESSIVE EXPOSURE TO VAPORS MAY CAUSE NASAL
AND RESPIRATORY IRRITATION.
Skin contact: PROLONGED SKIN CONTACT MAY CAUSE REDNESS AND
IRRITATION.
Eye Contact: CONTACT WITH EYE MAY CAUSE REDNESS AND
IRRITATION.
Chronic Effects: NONE CURRENTLY KNOWN.
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: IF SWALLOWED, DILUTE WITH 2 GLASSES OF WATER
AND CONTACT A PHYSICIAN IMMEDIATELY.
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF
IRRITATION DEVELOPS. CONSULT A PHYSICIAN.
Inhalation: MOVE TO FRESH AIR IF IRRITATION IS NOTED.
CONSULT A PHYSICIAN IF IRRITATION PERSISTS.
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING
EYELIDS OPEN. IF IRRITATION DEVELOPS, CONSULT A
PHYSICIAN.
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT
SHOULD BE DIRECTED TOWARD CONTROL OF THE
SYMPTOMS AND THE CLINICAL CONDITION OF THE
PATIENT.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: EXCESSIVE TEMPERATURES AND OPEN FLAMES.
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: STRONG OXIDIZERS SUCH AS HYDROGEN PEROXIDE,
BROMINE, AND CHROMIC ACID.
Hazardous Combustion: MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE AND
OXIDES OF SULFUR UNDER FIRE CONDITIONS.

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VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: DIKE AND ABSORB SPILL WITH AN ABSORBENT SUCH AS CLAY, SAND, OR SAWDUST. TRANSFER TO SUITABLE CONTAINERS FOR PROPER DISPOSAL. FLUSH SPILL AREA WITH WATER, ABSORB AND PLACE IN SAME CONTAINERS WITH OTHER MATERIAL.

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: IF SPRAY IS PRESENT, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION.

Ventilation: LOCAL EXHAUST SUFFICIENT

Gloves: IMPERVIOUS

Eyes: CHEMICAL WORKERS GOGGLES.

Other: EYE WASH STATION, EMERGENCY SHOWER, 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. KEEP FROM FREEZING. STORE IN WELL VENTILATED AREA AT TEMPERATURES 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: REGULATED BY DOT IN SINGLE CONTAINERS OF 119 GALLONS OR MORE.

Hazard Class: NONE

