

Material Safety Data Sheet

Effective Date: 23-APR-2013  
Product: DYNE-A-PAK

I. IDENTIFICATION

Chemical Name: SURFACTANTS/MSO/NITROGEN FERTILIZER.  
Chemical Family: OIL SURFACTANTS  
Formula: NOT APPLICABLE, FORMULATED MIXTURE.  
Synonyms: NONE  
CAS Number: NOT APPLICABLE, FORMULATED MIXTURE.  
EPA Number: NOT REQUIRED

II. PHYSICAL DATA

Boiling Point: 225 DEGREES F.  
Freezing Point: <32 DEGREES F.  
Spec Gravity: 1.180 GMS/CC  
Vapor Pressure: NOT DETERMINED  
Vapor Density: NOT DETERMINED  
Solubility: SOLUBLE  
Volatiles: 23%  
Evaporation: NOT DETERMINED  
Melting Point: NOT APPLICABLE  
Appearance: CLEAR AMBER LIQUID, FATTY/AMMONIA ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of Alkanolamides, alkanoates, trisiloxane, carbamides and formulation aids.		100.00	10 MG/M3	SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 DEGREES F (PMCC)  
Autoignition Temp: NOT DETERMINED  
Flammable Limit: NOT DETERMINED  
Extinguishing Media: DRY CHEMICAL, WATER SPRAY, WATER FOG, CO2, FOAM OR SAND/EARTH.  
Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY TO COOL CONTAINERS EXPOSED TO HEAT AND FLAME.  
Fire and Expl Hazard: UNDER FIRE CONDITIONS THIS PRODUCT MAY BEHAVE AS AN OXIDIZER; IN CONTACT WITH OXIDIZABLE SUBSTANCES, IGNITION, VIOLENT COMBUSTION OR EXPLOSION COULD OCCUR.

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V. HEALTH HAZARD  
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Carcinogen Information: NOT LISTED AS A CARCINOGEN.

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: SLIGHT THROAT IRRITATION AND RESPIRATORY DISCOMFORT.  
Skin Absorption: NONE CURRENTLY KNOWN.  
Inhalation: MIST MAY IRRITATE THE RESPIRATORY TRACT.  
Skin contact: PROLONGED OR REPEATED LIQUID CONTACT MAY IRRITATE SLIGHTLY.  
Eye Contact: DIRECT CONTACT WITH LIQUID, WILL CAUSE SEVERE IRRITATION.  
Chronic Effects: MODERATE IRRITATION.  
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: DO NOT INDUCE VOMITING. DILUTE BY DRINKING A LARGE QUANTITY OF WATER. IMMEDIATELY CALL A PHYSICIAN OR POISON CONTROL CENTER.  
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS,CONSULT A PHYSICIAN. LAUNDRER CLOTHING BEFORE REUSE.  
Inhalation: MOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.  
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IF IRRITATION DEVELOPS.  
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.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: EVAPORATION OR OTHER HEATING IN CLOSED PIPES OR OTHER CONTAINERS.  
Polymerization: Will Not Occur  
Conditions to Avoid: NONE CURRENTLY KNOWN.  
Incompatibility material: STRONG OXIDANTS, E.G. CHLORINE AND HYPOCHLORITES. EASILY OXIDIZABLE MATERIALS, INCLUDING MOST ORGANICS.  
Hazardous Combustion: AMMONIA AND OXIDES OF NITROGEN UNDER FIRE

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CONDITIONS.  
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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: CONTAIN PRODUCT, REUSE MATERIAL IF UNCONTAMINATED. IF CONTAMINATED, ABSORB MATERIAL WITH AN ABSORBENT SUCH AS CLAY OR SAND AND PLACE IN SUITABLE PLASTIC CONTAINER FOR PROPER DISPOSAL. DO NOT CONTAMINATE WATER SUPPLIES.

Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: RESPIRATORS ARE NOT REQUIRED FOR NORMAL VENTILATION. UNDER MISTY CONDITIONS, USE A MIST RESPIRATOR APPROVED BY NIOSH.

Ventilation: LOCAL EXHAUST NORMALLY SUFFICIENT.

Gloves: IMPERVIOUS

Eyes: SPLASH PROOF GOGGLES.

Other: EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

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IX. SPECIAL PRECAUTIONS  
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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. STORE IN A SECURE, DRY, WELL VENTILATED AREA, SEGREGATED FROM OXIDIZERS AND OTHER INCOMPATIBLE MATERIALS.

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.

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X. SHIPPING INFORMATION  
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Shipping name: NOT REGULATED BY DOT.

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

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Hazard Class: NONE  
Identification No: NONE  
Labels Required: NONE REQUIRED  
Placarding: NONE REQUIRED  
Freight Class: ADHESIVE, ADJUVANTS, SPREADERS OR STICKERS,  
LIQUID, NOIBN (NMFC ITEM 4612, CLASS 60)

Chemical Name	Equivalent R.Q.
NOT APPLICABLE	NOT APPLICABLE

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XI. GENERAL PRODUCT INFORMATION

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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2                      Fire: 0                      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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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
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