

AGRI-DEX

Helena Chemical Company
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CHEMTREC: 800-424-9300
Effective Date: 29-APR-2005
Product: AGRI-DEX

I. IDENTIFICATION

Chemical Name: NONIONIC OIL CONCENTRATE
Chemical Family: OIL SURFACTANTS
Formula: NOT APPLICABLE, FORMULATED MIXTURE.
Synonyms: NONE
CAS Number: 64741-88-4; 64741-89-5
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: 625 TO 830 DEG F.
Freezing Point: <32 DEGREES F.
Spec Gravity: .879 GMS/CC
Vapor Pressure: .0001 MM HG
Vapor Density: 10+
Solubility: DISPERSIBLE
Volatiles: <1%
Evaporation: 1000X
Melting Point: >10 DEGREES F.
Appearance: CLEAR AMBER LIQUID, MINERAL OIL ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF HEAVY RANGE PARAFFIN BASE PETROLEUM OIL, POLYOL FATTY ACID ESTERS, AND POLYETHOXYLATE DERIVATIVES		100.00	5 MG/M3	MILD SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 DEGREES F.
Autoignition Temp: 670 DEG F. (ESTIMATE)
Flammable Limit: NOT DETERMINED
Extinguishing Media: WATER FOG, FOAM, DRY CHEMICAL AND CARBON DIOXIDE.
Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.
Fire and Expl Hazard: CAN BE MADE TO BURN (FLASH POINT GREATER THAN 200 DEGREES F).

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.
ACUTE EFFECTS OF OVER EXPOSURE
Swallowing: LOW TOXICITY, ORAL LD50 (RAT) >5,010 GM/KG. PULMONARY ASPIRATION HAZARD - IF SWALLOWED AND/OR VOMITING OCCURS, CAN ENTER LUNGS AND CAUSE DAMAGE.
Skin Absorption: LOW TOXICITY, DERMAL LD50 (RABBIT) >2,020 GM/KG.
Inhalation: NO HAZARD EXPECTED.
Skin contact: MODERATE IRRITATION, REMOVES NATURAL OILS AND FATS FROM SKIN WITH PROLONGED OR REPEATED CONTACT.
Eye Contact: CONTACT WITH EYES MAY CAUSE MILD IRRITATION.
Chronic Effects: EXCESSIVE EXPOSURES MAY CAUSE IRRITATION TO EYES, NOSE AND THROAT.
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: DO NOT INDUCE VOMITING. DO NOT GIVE LIQUIDS. OBTAIN EMERGENCY MEDICAL ATTENTION. SMALL AMOUNTS WHICH ACCIDENTALLY ENTER MOUTH SHOULD BE RINSED OUT UNTIL TASTE OF IT IS GONE.
Skin: WASH CONTAMINATED AREA WITH SOAP AND WATER. IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN.
Inhalation: MOVE PERSON TO FRESH AIR. CONSULT A PHYSICIAN IF IRRITATION DEVELOPS.

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. PULMONARY ASPIRATION HAZARD - IF SWALLOWED AND/OR VOMITING OCCURS, CAN ENTER LUNGS AND CAUSE DAMAGE.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: NONE CURRENTLY KNOWN
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: ALKALIES AND STRONG OXIDIZERS.
Hazardous Combustion: MAY PRODUCE OXIDES OF CARBON AND ASPHYXIANTS UNDER FIRE CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CLEANUP SPILLS WITH AN OIL ABSORBENT MATERIAL, SUCH AS CLAY, SAND, OR SAWDUST. SPILL AREA WILL BE QUITE SLIPPERY. PLACE CONTAMINATED MATERIAL IN RECOVERY/SALVAGE DRUMS FOR PROPER 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: USE ONLY NIOSH CERTIFIED RESPIRATORY PROTECTION. RESPIRATORY PROTECTION NOT NEEDED UNLESS PRODUCT IS HEATED OR MISTED.
Ventilation: VENTILATE AS NEEDED TO COMPLY WITH EXPOSURE LIMIT.
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. DO NOT STORE NEAR OPEN HEAT OR FLAMES. DO NOT STORE WITH OXIDIZING AGENTS OR AMMONIUM NITRATE FERTILIZER. KEEP CONTAINER CLOSED, DO NOT ALLOW WATER TO BE INTRODUCED TO THE CONTENTS OF THE CONTAINER.
Other precaution: CALIFORNIA REGISTRATION NUMBER 5905-50094-AA.

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT, IATA, OR IMO.
Hazard Class: NONE
Identification No: NONE
Labels Required: NONE
Placarding: NONE
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: N

Reactive: N

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