

Diamond-R

MANUFACTURER: DIAMOND-R FERTILIZER CO., INC.

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GENERAL INFORMATION

NAME & SYNONYMS: Spreader Activator Surfactant

FAMILY: Surfact blend FORMULA: Proprietary blend

HAZARDOUS CLASSIFICATION: Combustible Liquid

MOTOR FREIGHT CLASS: 60

ITEM NUMBER: 4610 UN/NA NUMBER: NA

BILL OF LADING DESCRIPTION: Adjuvant Spreader

DATE PREPARED: October 1995 SUPERSEDES: December 1993

PHYSICAL DATA

pH (1% Solution): NA
BOILING RANGE: >200 deg F
% VOLATILE BY VOLUME: >1%
SPECIFIC GRAVITY: 1.042(+/-.05)
SOLUBILITY IN WATER: Soluble

EVAPORATION RATE (Water = 1): NA

APPEARANCE & ODOR: Clear amber liquid / mild odor

HAZARDOUS INGREDIENTS

PRINCIPAL HAZARDOUS THRESHOLD LIMIT
MATERIALS PERCENT VALUE (units)

Alkyl Aryl Polyoxyethylene 62% Not established

Isopropyl Alcohol 5% 400 ppm.
Aliphatic Glycol Ether 5% Not established

Maximum of 1 ppm Ethylene Oxide (EO) (75-21-8) May be present in the product.

The OSHA PEL and ACGIH TLV for EO is 1 ppm.

HEALTH HAZARD DATA

ACGIH THRESHOLD LIMIT VALUE: Not established for mixture CARCINOGEN-NTP PROGRAM: No

CARCINGEN NIF FROGRAM: NO

PRIMARY ROUTES OF ENTRY: Prolonged skin contact may cause drying and irritation. Direct eye contact may cause severe eye irritation. Inhalation to excessive vapors may cause respiratory irritation, nausea or vomiting.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

OTHER HEALTH EFFECTS: Ethylene Oxide has been determined to be a cancer and reproductive hazard. The trace levels of EO in this product are not expected to result in acute or long-term hazards when handled according to the precautions in this MSDS. However, they may accumulate in the head space of storage and transport vessels.

EMERGENCY FIRST AID:

EYES: Flush immediately with water for 15 minutes. Get medical attention.

SKIN: Wash affected areas with soap and water. Get medical attention if irritation develops.

INHALATION: Remove to fresh air, treat symptomatically.
INGESTION: Dilute by drinking two large glasses of water
or milk. Do not induce vomiting. Get medical attention
immediately.

SARA TITLE III, SECTION 313: This product contains the following toxic chemicals subject to the reporting requirements of SARA Title III, Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40CFR372.

CAS#: CHEMICAL NAME PERCENT BY WEIGHT No compounds present in quantities which are regulated.

FIRE & EXPLOSION HAZARD DATA

FLASH POINT (TCC): 111 deg F

FLAMMABILITY LIMITS: Not established

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be used to cool closed containers. Use SCBA and wear protective gear.

FIRE AND EXPLOSION HAZARDS: Keep away from heat, sparks and open flame.

REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Excess heat

HAZARDOUS POLYMERIZATION: Will not occur

MATERIALS TO AVOID: Strong oxidizing and reducing agents HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 from thermal

decomposition

ENVIRONMENTAL PROTECTION

SPILL RESPONSE: Ventilate the area. Dike and contain the spilled material. Collect liquid with an inert absorbent and transfer to a container for reuse of disposal. Flush

residue away with large quantities of water. WASTE DISPOSAL METHOD: Follow federal, state and local regulations regarding health and pollution.

SPECIAL PROTECTION INFORMATION

EYE PROTECTION: Chemical Safety glasses

SKIN PROTECTION: Chemically resistant gloves

RESPIRATORY PROTECTION: None required under normal use

VENTILATION RECOMMENDED: General

OTHER PROTECTION: As needed to prevent prolonged skin contact. A safety shower, an eye bath and washing facilities should be available.

SPECIAL PRECAUTIONS

HANDLING & STORAGE PRECAUTIONS: CAUTION! COMBUSTIBLE LIQUID! Always wear proper protective gear. Keep away from heat, sparks and flame. Do not use with aluminum equipment at temperatures above 120 deg. F.

OTHER PRECAUTIONS: Store at room temperature. Keep container tightly closed and upright when not in use. Follow good industrial practices with regard to housekeeping and personal hygiene when handling. Keep out of reach of children.

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.

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COMPAS Code: 21920031
