

----- MATERIAL SAFETY DATA SHEET -----
DIAMOND R BRAND SOLUBLE OIL 435 OR 455
Diamond R

IDENTITY (As Used on Label and List): Soluble Oil 435 or
455

SECTION I

MANUFACTURER'S NAME: DIAMOND R FERTILIZER
4100 GLADES RD.
FT. PIERCE, LF 34981
EMERGENCY TELEPHONE NUMBER: POISON CONTROL 1-800-282-3171
TELEPHONE NUMBER FOR INFORMATION: 1-800-330-9300
DATE PREPARED: 7/15/94

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components
(Specific Chemical
Identity; Common OSHA ACGIH Other Limits %
Name(s)) PEL TLV Recommended (optional)

Highly refined 5mg/m³ 97%
paraffinic oil (Mist)
(CAS #64742-56-9)
Proprietary Non- 3%
Hazardous Emulsifier

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 282 deg C
VAPOR PRESSURE (mm Hg.): <0.01 mm Hg @ 20 deg C
VAPOR DENSITY (AIR = 1): >5
SPECIFIC GRAVITY (H₂O = 1): 0.8591
MELTING POINT: N/A
EVAPORATION RATE (Butyl Acetate = 1): <0.01
SOLUBILITY IN WATER At 1 ATM. and 25 deg C: Slight
APPEARANCE AND ODOR: Clear to light amber with a petroleum
odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 182 deg C, Cleveland Open Cup
FLAMMABLE LIMITS:
LEL: N/A
UEL: N/A
EXTINGUISHING MEDIA: Dry chemical, CO₂, water spray or
standard foam.
SPECIAL FIRE FIGHTING PROCEDURES: Use full protective
equipment and SCBA; spray fogs are preferred over high
pressure directed stream.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Fight fire from maximum
distance and up wind. Evacuate downwind. Dike area to
prevent runoff. Minimize breathing vapors or fumes.

SECTION V - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Intense heat and sources of ignition.

INCOMPATIBILITY (Materials to Avoid): None known.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide and aldehydes.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Contact with strong oxidizers such as liquid chlorine, oxygen or bleach.

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: LIMITS

INHALATION? 5 mg/m³

SKIN? <LD50 2000 mg/kg

INGESTION? Harmful or fatal if swallowed

HEALTH HAZARDS (Acute and Chronic): Excessive exposure may cause irritation to eyes, nose & throat. Prolonged or repeated skin contact may cause irritation. Pulmonary aspiration hazard if swallowed and vomiting occurs - can cause severe lung damage.

CARCINOGENICITY: Not at this time

NTP? N/A

IARC MONOGRAPHS? N/A

OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE: Variability among individuals.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None recognized.

EMERGENCY AND FIRST AID PROCEDURES:

EYE: Flush with water

SKIN: Wash with soap and water

INGESTION: Do not induce vomiting or give liquids.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain spill. Use PPE and advise EPA and state agency if required. Take up with sand or other absorbant material. Shovel, sweep, or vacuum spill.

WASTE DISPOSAL METHOD: Triple rinse, or equivalent, jugs or drums. Dispose in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: NFPA Class III B Storage. Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling. Use explosion proof equipment when transferring from containers. Avoid contact with eyes.

OTHER PRECAUTIONS: Do not siphon by mouth. Wash thoroughly after handling. Use caution to avoid contact with eyes.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): Under normal working conditions no respiratory protection required

VENTILATION:

LOCAL EXHAUST:

MECHANICAL (General): Recommended in closed areas.

SPECIAL:

OTHER:

PROTECTIVE GLOVES: PVC, Nitrile or Neoprene

EYE PROTECTION: Splash proof goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK/HYGIENIC PRACTICES: Safety shower and eyewash should be available. Launder soiled clothing.

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COMPAS Code: 22590011
