

ACTIVATE PLUS

MATERIAL SAFETY DATA SHEET
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RIVERSIDE/TERRA CORP.
TERRA CENTRE, 600 FOURTH STREET
SIOUX CITY, IOWA 51101
EMERGENCY PHONE: 501-763-8968
OR CHEM TREC: 1-800-424-9300
EFFECTIVE DATE: 1/1/92
REVISED DATE: 1/1/92
PRODUCT CODE: 681502
EPA REG. NO.: N/A

► 1. INGREDIENTS:

	CAS #	%
ACTIVE INGREDIENTS:		
Alkylaryl polyoxyethylene glycols, free fatty acids, & IPA		90.0%
IPA is Isopropyl Alcohol	67-63-0	
INERT INGREDIENTS:		
Constituents Ineffective as Adjuvant:		10.0%
	TOTAL	100.0%

► 2. PHYSICAL DATA:

BOILING POINT: N/A
VAP. PRESS: N/A
VAP. DENSITY: N/A
SOL. IN WATER: 100%
SP. GRAVITY (H₂O = 1): 1.02 at 77°F
APPEARANCE: Clear liquid
ODOR: Mild
EVAPORATION RATE: < 1

► 3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: 110°F
METHOD USED: PMCC
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water, foam
FIRE & EXPLOSION HAZARDS: Containers may rupture violently if overheated. After fire is controlled, do not handle containers until they have returned to ambient temperature.
FIRE-FIGHTING EQUIPMENT: Positive-pressure, self-contained air supply. Avoid getting water from fire fighting into domestic or irrigation water supplies.

► 4. REACTIVITY DATA:

STABILITY: Stable
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: Will not occur

► 5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Contain spill by diking with dirt, sand or other absorbent material. Rope off contaminated area. Workers performing clean-up duties should wear protective clothing.

DISPOSAL METHOD: PRODUCT DISPOSAL: Excess product that cannot be used according to label instructions must be disposed of according to applicable federal, state or local procedures.

CONTAINER DISPOSAL: Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration

or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal Containers-Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

► 6. HEALTH HAZARD DATA:

EYE: Corrosive to eyes and may cause eye irritation and damage.

SKIN CONTACT: Causes skin irritation. May cause allergic skin reactions in some individuals.

INGESTION: May be harmful if swallowed.

INHALATION: Avoid breathing spray mist. May cause irritation of eyes, nose, throat, or skin.

► 7. FIRST AID:

EYES: Wash eyes immediately with fresh water for at least 15 minutes and see a doctor.

SKIN: Wash skin thoroughly with soap and water. If irritation persists see a doctor.

INGESTION: If swallowed, do not induce vomiting. Get immediate medical attention.

INHALATION: If respiratory irritation or any signs or symptoms occur, move the person to fresh air. If any of these effects continue, see a doctor.

► 8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE(S):

Chemical listed as carcinogen or potential carcinogen

	YES	NO
NATIONAL TOXICOLOGY PROGRAM	<input type="checkbox"/>	<input checked="" type="checkbox"/>
I.A.R.C. MONOGRAPHS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
OSHA	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OSHA PERMISSIBLE EXPOSURE LIMIT: IPA - 980 mg/m³

ACGIH THRESHOLD LIMIT VALUE: IPA - 980 mg/m³

OTHER EXPOSURE LIMIT USED: NA

VENTILATION: Maintain odor free atmosphere

RESPIRATORY PROTECTION: Not normally needed during application.

SKIN PROTECTION: Rubber gloves

EYE PROTECTION: Safety goggles.

► 9. ADDITIONAL INFORMATION:

Store in a dry location away from children, animals, foods, feeds, seeds.

► 10. GENERAL FIRE FIGHTING PROCEDURES
FIRE DEPARTMENT PREPLANNING

A. Provide for protection of employees and local residents:

1. Evacuate residents who are downwind of fire.
2. Prevent unauthorized entry to fire area.
3. Have a medical check made of employees that may have been exposed to fumes or other contamination of pesticides.

B. Notify local fire authorities that firemen should:

1. Wear protective clothing over the entire body including rubber boots, gloves, hat, and coat and avoid contact with toxic fumes of smoke. Self-contained breathing equipment (air packs) is essential for those exposed to fumes of smoke.
2. Be immediately relieved from duty and checked for possible poisoning if exposed to fumes or smoke without adequate protection.

3. Wash thoroughly and immediately with large volumes of soap and water if contacted by pesticides. Any person heavily exposed to pesticides should be examined by a physician immediately without waiting for symptoms to occur.
4. Be alert for symptoms of poisoning during fire. Symptoms may include headaches, giddiness, blurred vision, coughing, lightness of chest, salivation, twitching, or pinpoint eye pupils. Symptoms of pesticide poisoning may be mistaken for heat exhaustion or smoke inhalation.
5. Avoid smoking, drinking or eating while fire fighting so as not to ingest toxic substances.
6. Monitor any water runoff: dike surrounding area.

► 11. REGULATORY INFORMATION:

DOT HAZARDOUS MATERIAL SHIPPING DESCRIPTION:

Not applicable for containers 110 gallons in size or less

Containers greater than 110 gallons in size:

COMBUSTIBLE LIQUID, N.O.S., NA 1993, (ISOPROPANOL)

SARA TITLE III:

SEC. 302—304 (40 CFR 350): not listed
Extremely Hazardous Substance (EHS): not applicable
Reportable Quantity (R.Q.): not listed

SEC. 312 REPORTING (40 CFR 370):

SARA/OSHA Hazardous Chemical Reporting Quantity is 10,000 pounds

Reporting Status—mixture, liquid

Reporting hazard—acute, fire

SEC. 313 REPORTING: Isopropanol—only persons who manufacture using strong acid process are subject to reporting

RCRA HAZARDOUS WASTE: not listed (may be characteristic waste)

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