



## I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2627

PRODUCT NAME: IRA-11C

USE: Compound for softening wood chips

## SUPPLIER:

JohnsonDiversey Canada, Inc.  
2401 Bristol Circle  
Oakville Ontario, L6H 6P1, Canada

## EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: D2B

CHEMICAL FAMILY: not available

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

## II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Oxirane, methyl, polymer with oxirane, monobutyl ether	30-60	009038-95-3	LD50 45000 mg/kg	oral/rat
Modified polyethoxylated alcohol	3-7	Proprietary	LD50 2250 mg/kg	oral/rat

## III - HANDLING AND DISPOSAL PROCEDURES

## PERSONAL PROTECTIVE EQUIPMENT:

Gloves: natural rubber

Eye: safety glasses

Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: not applicable

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Do not breathe mist, spray or vapours . Avoid eye and skin contact.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): Strong acids, strong bases and oxidizing agents.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container.

## IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Colourless odourless liquid

S.G. / BULK DENSITY(g/cc): 1.06

pH: (Conc.) 6.5 - 7

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable

BOILING POINT: Approx. 100°C

FREEZING POINT: not available

PERCENT VOLATILE: Approx. 40%

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): 1

## V - TOXICOLOGICAL PROPERTIES

## EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause irritation.

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: Irritation of digestive tract. May cause temporary or permanent damage if not treated promptly.

INHALATION: Breathing vapours may cause delayed lung injury.

LD50 (calculated): 26000 mg/kg

LC50 (calculated):

**OTHER TOXIC EFFECTS:** None known.

**EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:** Not available.

### VI - FIRST AID MEASURES

**EYES:** Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.  
**SKIN:** Flush affected area thoroughly with water. If irritation develops, contact a physician.  
**INGESTION:** Drink large volumes of water. Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.  
**INHALATION:** Remove patient to fresh air. Contact a physician.

### VII - FIRE AND EXPLOSION DATA

**FLAMMABLE:** No

**FLASH POINT, °C:** not applicable      **AUTO IGNITION TEMPERATURE, °C:** N/App.

**EXTINGUISHING MEDIA:** Water [X]    Dry Chemical [X]    Carbon Dioxide [X]    Foam [X]    Other [ ]

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon.

**EXPLOSIVE SENSITIVITY TO:** not applicable

### VIII - REACTIVITY DATA

**STABILITY:** Stable [X]    Unstable [ ]

**CONDITIONS TO AVOID:** high temperature

**INCOMPATIBILITY (Material to Avoid) :** Strong acids, strong bases and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide

**REACTIVITY:** not dangerously reactive.

### IX - MSDS PREPARATION

**SOURCES USED:** RTECS, Suppliers MSDS

**PREPARED BY:** JohnsonDiversey Canada. Inc.  
Regulatory Department  
Industrial Division  
Phone (905) 829-1200

**PREPARATION DATE:** April 15, 2003

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