



MATERIAL SAFETY DATA SHEET

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TRANSPORTATION EMERGENCY
 CHEMTREC:(800)-424-9300

EMERGENCY AND PRODUCT INFORMATION
 OHP, Inc.:(800)-356-4647

SEXTANT™

EPA Registration Number: 432-888-59807

I. CHEMICAL PRODUCT INFORMATION

PRODUCT NAME: SEXTANT FUNGICIDE
CHEMICAL NAME:
COMMON NAME:
CHEMICAL FAMILY:
CHEMICAL FORMULATION:
EPA REGISTRATION NO: 432-888-59807
PRODUCT USE DESCRIPTION: FIFRA regulated use only.

II. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
IPRODIONE	36734-19-7	23.3000	
1,2-Propylene glycol	57-55-6		

III. HAZARDS IDENTIFICATION

NOTE: Please refer to Section XI for detailed toxicological information.

Emergency Overview Caution! Harmful if inhaled or swallowed.

ODOR: Aromatic

APPEARANCE: White

IMMEDIATE EFFECTS

Eye: Causes irritation, redness.

Skin: Harmful if absorbed through skin. Essentially non-irritating.

Ingestion: Harmful if ingested. May cause nausea, vomiting, abdominal pain, loss of coordination.

Inhalation: Harmful if inhaled. Can cause upper respiratory tract irritation.

CHRONIC OR DELAYED

LONG-TERM: This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

IV. FIRST AID MEASURES

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Seek medical attention.

Skin: In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes while washing. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned.

Ingestion: If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Inhalation: Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

NOTES TO PHYSICIAN

HAZARDS: Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

TREATMENT: All treatment should be based on observed signs and symptoms of distress in the patient. Treat symptomatically. There is no antidote. This product is irritating to mucous membranes. If large amounts (greater than 1 ml/kg body weight) of the product have been ingested, the stomach should be evacuated by gastric intubation with the aid of a cuffed endotracheal tube to prevent exposure of the esophagus. After removal of stomach contents, wash stomach by instilling 30-50 g. of activated charcoal in 3-4 ounces of water through the stomach tube and again remove stomach contents. Avoid oily laxatives.

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V. FIRE FIGHTING MEASURES

FLASH POINT : > 93 °C / > 199 °F
Flammability Class: WILL BURN.
Method Used: Closed cup

LOWER FLAMMABLE LIMIT : 2.6 %(V)

UPPER FLAMMABLE LIMIT : 12 %(V)

FIRE AND EXPLOSION HAZARDS . : Under fire conditions, toxic, corrosive fumes are emitted.

SUITABLE EXTINGUISHING MEDIA

Small Fires: Dry chemical, Carbon dioxide (CO₂)

Large Fires: Foam, Water spray

FIRE FIGHTING INSTRUCTIONS . . . : Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Dispose of fire control water later. Dike area to prevent runoff and contamination of water sources.

VI. ACCIDENTAL RELEASE MEASURES

GENERAL AND DISPOSAL : Evacuation Procedures and Safety: Wear appropriate gear for the situation. See Personal Protection information in Section 8. Cleanup and Disposal of Spill: Pump any free liquid into an appropriate closed container. Clean up residual material as appropriate. Absorb with vermiculite or other inert absorbent. Decontaminate tools and equipment following cleanup. Collect washings for disposal.

LAND SPILL OR LEAKS : Containment of Spill: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal. Environmental and Regulatory Reporting: Prevent material from entering public sewer system or any waterway. Do not flush to drain. If spilled on the ground, the affected area should be removed to a depth of one or two inches and placed in an appropriate container for disposal.

VII. HANDLING AND STORAGE

HANDLING PROCEDURES : Do not ingest. Avoid direct or prolonged contact with skin and eyes. Do not breathe vapors and mists. Use handling, storage and disposal procedures that will prevent contamination of water, food or feed.

STORING PROCEDURES : Store in an area that is away from ignition sources. Store in an area away from food, feedstuffs, fertilizers and seed.

WORK/HYGIENIC PROCEDURES . . : Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.
Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
Wash exposed skin promptly to remove accidental splashes of contact with this material.

MIN/MAX STORAGE

TEMPERATURES : Not Available

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS : Where engineering controls are indicated by use conditions of a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures.

EYE/FACE PROTECTION : Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

BODY PROTECTION : Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

RESPIRATORY PROTECTION : When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Under normal conditions, in the absence of other airborne contaminants, the following should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): Air-purifying (half-mask/full-face) respirator with cartridge/canister approved for use against dusts, mists and fumes, pesticides. Under conditions immediately dangerous to life or health, or emergency conditions with unknown concentrations, use a full-face positive pressure air-supplied respirator equipped with an emergency escape air supply unit or use a self-contained breathing apparatus unit.

General Protection : These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section XIII: Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

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EXPOSURE LIMITS

1,2-Propylene glycol 57-55-6	
WEEL	TWA 50 ppm
Form of Exposure	Total vapor and aerosol.
WEEL	TWA 10 mg/m3
Form of Exposure	Aerosol.
ACGIH	TWA 3 mg/m3
Form of Exposure	Respirable.
US CA OEL	TWA PEL 5 mg/m3
Form of Exposure	Respirable fraction.
US CA OEL	TWA PEL 10 mg/m3
Form of Exposure	Total dust.
US CA OEL	TWA PEL 5 mg/m3
Form of Exposure	Respirable fraction.
US CA OEL	TWA PEL 5 mg/m3
Form of Exposure	Respirable fraction.
US CA OEL	TWA PEL 10 mg/m3
Form of Exposure	Total dust.
US CA OEL	TWA PEL 10 mg/m3
Form of Exposure	Total dust.
ACGIH	TWA 10 mg/m3
Form of Exposure	Inhalable particulate.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: White
ODOR	: Aromatic
pH	: 7 at 100 wt/wt%.
VAPOR PRESSURE	: 18 mmHg at 20 °C
VAPOR DENSITY (AIR = 1)	: Not Available
SPECIFIC GRAVITY	: 1.03 at 20 °C
BOILING POINT	: 100 °C at 760 mmHg
MELTING/FREEZING POINT	: Not available
SOLUBILITY (IN WATER)	: Dispersible
MOLECULAR WEIGHT	: 330.19 g/mol

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY	: This material is stable under normal handling and storage conditions described in Section 7.
CONDITIONS TO AVOID	: Elevated temperatures Exposure to open flame Spark Static electricity
INCOMPATIBILITY	: Strong bases Strong acids Strong oxidizing agents
HAZARDOUS PRODUCTS OF DECOMPOSITION	: Decomposition Type: thermal Hydrogen chloride Oxides of nitrogen Oxides of sulfur
HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID)	: not applicable

XI. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY	: Rat: LD50: > 5,000 mg/kg
ACUTE DERMAL TOXICITY	: Rabbit: LD50: > 2,000 mg/kg
ACUTE INHALATION TOXICITY	: Rat: LC50: 2.03 mg/l 4 h
SKIN IRRITATION	: Rabbit: Non-irritating.

EYE IRRITATION : Rabbit: Slightly irritating.
Irritation is transient.

CHRONIC TOXICITY : No additional test data found for product.

ASSESSMENT CARCINOGENICITY

ACGIH	: None
NTP	: None
IARC	: None
OSHA	: None

XII. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION : No data found for product.

ADDITIONAL ENVIRONMENTAL

INFORMATION : No data found for product.

XIII. DISPOSAL CONSIDERATIONS

General Disposal Guidance : Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

CONTAINER DISPOSAL : Do not reuse containers. Any container or equipment used should be decontaminated immediately after use. Consult state and local regulations regarding the proper disposal of container. EPA Hazardous Waste - No

RCRA CLASSIFICATION : Not Regulated under this Statute

XIV. TRANSPORT INFORMATION

DOT CLASSIFICATION : Not regulated for Domestic Surface Transportation

IMDG CLASSIFICATION:

FREIGHT CLASSIFICATION : Insecticides or fungicides, N.O.I., other than poison

XV. REGULATORY INFORMATION

EPA Registration No : 432-888-59807

US Federal Regulations

TSCA list

1,2-Propylene glycol : 57-55-6

TSCA 12b export notification

None

SARA Title III - section 302 - notification and information

None

SARA Title III - section 313 - toxic chemical release reporting

None

US States Regulatory Reporting CA Prop65

This product does not contain any substances known to the State of California to cause reproductive harm.

US State right-to-know ingredients

1,2-Propylene glycol 57-55-6 PA, RI

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Canadian Regulations Canadian Domestic Substance List

1,2-Propylene glycol 57-55-6

Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

XVI OTHER INFORMATION

	Health	Flammability	Reactivity	Others
NFPA	2	1	0	

Reason to Issue: New

Approval Date: 01/16/2004

This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

Sextant is a trademark of OHP, Inc.

