

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	Methyl Orange Indicator Solution
OTHER MEANS OF IDENTIFICATION:	None
RECOMMENDED USE:	Laboratory reagent
RESTRICTIONS ON USE:	None
SUPPLIER IDENTIFIER:	Di-Corp 8750-53 Ave Edmonton, AB T6E 5G2 780-440-4923
EMERGENCY PHONE NUMBER:	780-468-4064

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION:	Not classified according to Part 2 of HPR.
LABEL SYMBOLS:	Not applicable
SIGNAL WORD:	Not applicable
HAZARD STATEMENTS:	Not applicable
OTHER HAZARDS:	None known.
PRECAUTIONARY STATEMENTS:	Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Methyl orange, sodium salt	547-58-0	0.01% (w/v)
Propylene glycol (1,2 propanediol)	57-55-6	20% (v/v)

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Remove contaminated clothing. Wash exposed area thoroughly with soap and water. If irritation occurs obtain medical attention.
EYE CONTACT:	Immediately flush eyes with gently flowing warm water for 15 minutes. Hold eyelids apart to ensure thorough flushing. If irritation persists, obtain medical attention.
INGESTION:	Do not induce vomiting unless directed to do so by medical personnel. Rinse mouth and give 2 to 4 glasses of water. If symptoms develop, obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS:	No known significant acute or chronic effects are expected as a result of contact with this product.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use media suitable for packaging and surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC FIRE HAZARDS:	None known.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon and oxides of nitrogen.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Self-contained breathing apparatus required for fire-fighting personnel. Move from fire area if possible to do so without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate safety equipment. Prevent further leakage or spillage if safe to do so.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Soak up spill with absorbent material. Waste material should be placed in approved container(s) for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid ingestion. Practice reasonable caution and personal cleanliness. Launder contaminated clothing before reuse. Avoid skin and eye contact. Wash thoroughly after handling.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in a cool, dry area away from incompatible materials. Keep containers tightly closed at all times.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:	Product and ingredient limits have not been established.
ENGINEERING CONTROLS:	Not required for normal conditions of use. Use local exhaust ventilation, process enclosure or other engineering controls as required to maintain vapour/mist concentration below TLV's.
PERSONAL PROTECTIVE MEASURES	
RESPIRATORY PROTECTION:	Not required under normal conditions of use.
PROTECTIVE GLOVES:	Rubber gloves recommended.
EYE PROTECTION:	Safety glasses with side-shields or chemical goggles.
OTHER PROTECTIVE EQUIPMENT (SPECIFY):	Ensure eye-wash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Dark orange liquid
ODOUR:	Odourless
ODOUR THRESHOLD:	Not applicable
pH:	Not available
MELTING POINT / FREEZING POINT:	<-15°C
BOILING POINT / RANGE:	>100°C
FLASH POINT:	Not applicable
EVAPORATION RATE:	Not available
FLAMMABILITY:	Not applicable
FLAMMABILITY / EXPLOSIVE LIMITS:	Not applicable
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available

RELATIVE DENSITY: 1.0 – 1.1
 SOLUBILITY: Completely miscible in water
 PARTITION COEFFICIENT: Not available
 AUTO-IGNITION TEMPERATURE: Not applicable
 DECOMPOSITION TEMPERATURE: Not available
 VISCOSITY: Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Not reactive under normal conditions.
 CHEMICAL STABILITY: Stable under normal conditions
 POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur
 CONDITIONS TO AVOID: Avoid contact with strong oxidizers, reducing agents, strong acids and water reactive materials.
 INCOMPATIBLE MATERIALS: Not available.
 HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY: Not determined

COMPONENT TOXICITY

INGREDIENT	LD 50 (oral, rat)	LD50 (dermal)	LC50 (inhal, rat)
Methyl orange, sodium salt	60 mg/kg	Not available	Not available
Propylene glycol	20 g/kg	20800 mg/kg (rabbit)	Not available

SKIN CONTACT: May cause irritation. Will stain exposed skin. Prolonged contact may cause dermatitis.
 EYE CONTACT: May cause irritation. Contains a cationic dye and may cause staining.
 INGESTION: No adverse effects expected from incidental ingestion.
 INHALATION: Low hazard for usual industrial handling. Inhalation of mists or vapours may cause respiratory tract irritation, nausea, vomiting, diarrhea and central nervous system effects.
 CARCINOGENICITY: The ingredients of this product are not listed as carcinogenic.
 TERATOGENICITY: No information available.
 REPRODUCTIVE TOXICITY: No information available.
 MUTAGENICITY: No information available.
 CHRONIC TOXICITY: No information available.
 TARGET ORGAN EFFECTS: No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Product information not determined.

INGREDIENT	LC50	LC50	EC50
Methyl orange, sodium salt	Not available	Not available	Not available
Propylene Glycol	46,500 mg/L/96hr (fathead minnow)	43,500 mg/L/48hr (water flea)	18,100 mg/L/14 days (algae)

PERSISTENCE AND DEGRADABILITY: Not available.
 BIOACCUMULATIVE POTENTIAL: Not available.

MOBILITY IN SOIL: Not available.

OTHER ADVERSE EFFECTS: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose/incinerate in accordance with federal, state and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Triple rinse empty containers and dispose in general trash.

SECTION 14: TRANSPORTATION INFORMATION

TDG: Not regulated
DOT: Not regulated
IATA: Not regulated
IMDG: Not regulated
UN NUMBER: Not applicable
PROPER SHIPPING NAME: Not applicable
CLASS: Not applicable
PACKING GROUP: Not applicable
IMDG HAZARDS: Not applicable
BULK TRANSPORT: Not applicable
SPECIAL PRECAUTIONS: Not applicable

SECTION 15: REGULATORY INFORMATION

DSL: All ingredients are listed on the DSL.
WHMIS 1988 CLASSIFICATION: Not controlled
TSCA: All ingredients are listed or exempt from listing.

SECTION 16: OTHER INFORMATION

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