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MATERIAL SAFETY DATA SHEET

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SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION	WHMIS CLASS B2, D-2B
CHEMICAL FORMULA	MIXTURE
MOLECULAR WEIGHT	NOT APPLICABLE
MATERIAL USE	ODOUR COUNTERACTANT

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT	NONYL PHENOL ETHOXYLATE
APPROX. CONCENTRATION %	10-30
CAS	9016-45-9
EXPOSURE LIMITS	NOT AVAILABLE
LD50/LC50/SPECIES/ROUTE	ORAL (LD50) MG/KG: ACUTE: 2590 (RAT)

HAZARDOUS INGREDIENT	FRAGRANCE
APPROX. CONCENTRATION %	10-30
CAS	NOT AVAILABLE
EXPOSURE LIMITS	NOT AVAILABLE
LD50/LC50/SPECIES/ROUTE	NOT AVAILABLE

HAZARDOUS INGREDIENT	PROPYLENE GLYCOL
APPROX. CONCENTRATION %	10-30
CAS	57-55-6
EXPOSURE LIMITS	NOT AVAILABLE
LD50/LC50/SPECIES/ROUTE	NOT AVAILABLE

HAZARDOUS INGREDIENT	ISOPROPANOL
APPROX. CONCENTRATION %	10-50
CAS	67-63-0
EXPOSURE LIMITS	TWA: 400 CEIL: 500 (ppm) TWA: 900 CEIL: 1225 (mg/m ³)
LD50/LC50/SPECIES/ROUTE	ORAL (LD50) mg/kg: Acute: 3600 mg/kg (Mouse) VAPOR(LC50): Acute 16970 (ppm) 4 hours (Rat)

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE	LIQUID
ODOUR AND APPEARANCE	WINTERGREEN FRAGRANCE, AMBER LIQUID
ODOUR THRESHOLD (PPM)	NOT AVAILABLE
SPECIFIC GRAVITY	0.95
VAPOUR PRESSURE (MM)	NOT AVAILABLE
VAPOUR DENSITY (AIR =1)	NOT AVAILABLE

EVAPORATION RATE	NOT AVAILABLE
BOILING POINT (°C)	NOT AVAILABLE
FREEZING POINT (°C)	NOT DETERMINED
SOLUBILITY IN WATER (20°C)	SOLUBLE
% VOLATILE (BY VOL.)	>99
PH	7.7-8.2

SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY	FLAMMABLE
MEANS OF EXTINCTION	FLAMMABLE LIQUID, SOLUBLE OR DISPERSED IN WATER. SMALL FIRE: USE DRY CHEMICALS, CO ₂ , WATER SPRAY OR FOAM. LARGE FIRE: USE ALCOHOL FOAM, WATER SPRAY OR FOG. COOL CONTAINING VESSELS WITH WATER JET IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTO IGNITION OR EXPLOSION.
SPECIAL PROCEDURES	A SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED TO AVOID INHALATION OF THE PRODUCT. MOVE CONTAINING VESSELS FROM FIRE IF WITHOUT RISK.
FLASHPOINT (°C) AND METHOD	NOT DETERMINED
UPPER EXPLOSION LIMIT (% BY VOL.)	UPPER: 12% (ISOPROPYL ALCOHOL)
LOWER EXPLOSION LIMIT (% BY VOL.)	LOWER: 2%
HAZARDOUS COMBUSTION PRODUCTS	CO, CO ₂
EXPLOSION SENSITIVITY TO CHEM. IMPACT	NOT AVAILABLE

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY	STABLE
INCOMPATIBILITY? TO WHAT?	SLIGHTLY REACTIVE TO REACTIVE WITH OXIDIZING AGENTS, REDUCING AGENTS, ACIDS OR ALKALIS. VERY SLIGHTLY TO SLIGHTLY REACTIVE WITH ORGANIC MATERIALS, METALS OR MOISTURE.
HAZARDOUS DECOMPOSITION PRODUCTS	NOT AVAILABLE

SECTION 6 TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT Y/N	Y
ROUTE OF ENTRY SKIN ABSORPTION Y/N	N
ROUTE OF ENTRY EYE CONTACT Y/N	Y
ROUTE OF ENTRY INHALATION ACUTE Y/N	Y
ROUTE OF ENTRY INHALATION CHRONIC Y/N	N
ROUTE OF ENTRY INGESTION Y/N	Y
EFFECTS OF ACUTE EXPOSURE	DANGEROUS IN CASE OF INGESTION. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF SKIN CONTACT (IRRITANT, SENSITIZER, PERMEATOR), OF EYE CONTACT (IRRITANT), OF INHALATION. CAN BE FATAL IF INHALED OR INGESTED. OVEREXPOSURE CAN IRRITATE EYES AND SKIN.
EFFECTS OF CHRONIC EXPOSURE	PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING, DEFATTING AND DERMATITIS.

SYNERGISTIC MATERIALS	NOT AVAILABLE
CARCINOGENICITY Y/N	N
REPRODUCTIVE EFFECTS Y/N	N
TERATOGENCITY Y/N	N
MUTAGENICITY Y/N	N

SECTION 7 PREVENTIVE MEASURES

GLOVES	IMPERVIOUS GLOVES
EYEWEAR	SAFETY GLASSES
FOOTWEAR	AS REQUIRED BY EMPLOYER CODE
CLOTHING	AS REQUIRED BY EMPLOYER CODE
ENGINEERING CONTROLS	GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.
LEAK AND SPILL PROCEDURE	BEFORE ATTEMPTING CLEAN UP, REFER TO HAZARD DATA GIVEN ABOVE. SMALL SPILLS MAY BE ABSORBED WITH NON-REACTIVE ABSORBENT AND PLACED IN SUITABLE, COVERED LABELED CONTAINERS. PREVENT LARGE SPILLS FROM ENTERING WATERWAYS OR SEWERS. CONTACT EMERGENCY SERVICES AND SUPPLIER FOR ADVICE.
WASTE DISPOSAL	CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.
STORAGE REQUIREMENTS	STORE IN A CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS. STORE IN A DRY, COOL AND WELL VENTILATED AREA. ENSURE STORAGE AREA HAS ADEQUATE VENTILATION AND NO SOURCE OF OPEN FLAME OR SPARK.

SECTION 8 FIRST AID MEASURES

SKIN	FLUSH WITH WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. COMPLETELY DECONTAMINATE CLOTHING, SHOES AND LEATHER GOODS BEFORE REUSE OR DISCARD.
EYE	IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
INHALATION	REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.
INGESTION	DO NOT INDUCE VOMITING. IF SWALLOWED, CALL PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS, IS RAPIDLY LOSING CONSCIOUSNESS OR IS CONVULSING.

*VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC
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