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MATERIAL SAFETY DATA SHEET

ACTIVE FORCE

SECTION 1 MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION
HMIS

WHMIS CLASS C, D-1B, E
HEALTH 3, FLAMMABILITY 0, REACTIVITY 3,
PERSONAL PROTECTION B

CHEMICAL FORMULA
MOLECULAR WEIGHT

MIXTURE
NOT APPLICABLE

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT
APPROX. CONCENTRATION %
CAS
EXPOSURE LIMITS
LD50/LC50/SPECIES/ROUTE

PERACETIC ACID
1-20
79-21-0
NOT AVAILABLE
ORAL (LD50) MG/KG: ACUTE: 1015 (RAT)
DERMAL (LD50) MG/KG: ACUTE 1912 (RABBIT)

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE
ODOUR AND APPEARANCE
ODOUR THRESHOLD (PPM)
SPECIFIC GRAVITY
VAPOUR PRESSURE (MM)
VAPOUR DENSITY (AIR =1)
BOILING POINT (°C)
FREEZING POINT (°C)
SOLUBILITY IN WATER (20°C)
% VOLATILE (BY VOL.)
PH

LIQUID
CLEAR LIQUID, STINGING ODOUR
NOT AVAILABLE
1.1
NOT APPLICABLE
NOT APPLICABLE
>60°C DECOMPOSITION
NOT DETERMINED
MISCIBLE
NOT AVAILABLE
<1

SECTION 4 FIRE AND EXPLOSION DATA

FLAMMABILITY
MEANS OF EXTINCTION

NOT DETERMINED
WATER SPRAY, FOAM, DRY POWDER CARBON
DIOXIDE.

SPECIAL PROCEDURES

DO NOT USE ORGANIC COMPOUNDS FOR SAFETY
REASONS.

FLASHPOINT (°C) AND METHOD
UPPER EXPLOSION LIMIT (% BY VOL.)
LOWER EXPLOSION LIMIT (% BY VOL.)
AUTO-IGNITION TEMPERATURE (°C)
HAZARDOUS DECOMBUSTION PRODUCTS

79°C FOR PURE PERACETIC ACID
NOT DETERMINED
NOT DETERMINED
260°C FOR PURE PERACETIC ACID
UNDER CONDITIONS OF THERMAL DECOMPOSITION—
STEAM AND OXYGEN.

SECTION 5 REACTIVITY DATA

CONDITIONS TO AVOID:
INCOMPATIBILITY? TO WHAT?

SUN RAYS, HEAT AND HEAT EFFECT
EXTREMELY REACTIVE WITH IMPURITIES,
DECOMPOSITION CATALYSTS, METAL SALTS,
ALKALIS, REDUCING AGENTS, METALS, NONFERROUS
HEAVY METAL, ALUMINIUM, ZINC MAY CAUSE
DECOMPOSITION. CONTACT WITH FLAMMABLE
MATERIALS MAY RESULT IN SPONTANEOUS
IGNITION. CONTACT WITH ORGANIC SOLVENTS MAY
CAUSE EXPLOSIONS.

SECTION 6 TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY SKIN CONTACT Y/N	Y
ROUTE OF ENTRY EYE CONTACT Y/N	Y
ROUTE OF ENTRY INHALATION Y/N	Y
ROUTE OF ENTRY INGESTION Y/N	Y

EFFECTS OF ACUTE EXPOSURE

DANGEROUS IN CASE OF EYE CONTACT, CORROSIVE
AND MAY CAUSE BURNS RESULTING IN PERMANENT
DAMAGE. CAUSES PAINFUL STINGING OR BURNING OF
EYES AND LIDS, WATERING OF EYES, CONJUNCTIVITIS,
OPAQUENESS OF CORNEA POSSIBLY LEADING TO LOSS
OF SIGHT. CORROSIVE IN CASE OF SKIN CONTACT.
CAUSES BURNING SENSATIONS, SMARTING,
INFLAMMATION, BURNS, PAINFUL BLISTERS.
HARMFUL IF ABSORBED THROUGH SKIN.
HIGHLY TOXIC BY INHALATION OF MIST. MAY CAUSE
IRRITATION OF NOSE, THROAT AND LUNGS WITH
COUGH, DIFFICULTY BREATHING OR SHORTNESS OF
BREATH. PULMONARY EDEMA WITH COUGH,
WHEEZING ABNORMAL LUNG SOUNDS POSSIBLY
PROGRESSING TO SHORTNESS OF BREATH AND BLuish
DISCOLOURATION OF THE SKIN.
HARMFUL IF SWALLOWED. CAUSES SEVERE DIGESTIVE
TRACT BURNS. SMALL AMOUNTS ASPIRATED INTO THE
RESPIRATORY SYSTEM DURING INGESTION OR
VOMITING MAY CAUSE MILD TO SEVERE PULMONARY
INJURY AND POSSIBLY DEATH.

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

SECTION 7 PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES

IMPERVIOUS GLOVES

EYEWEAR

FACE SHIELD

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

CORROSIVE LIQUID. KEEP AWAY FROM
INCOMPATIBLE SUBSTANCES, FLAMMABLE
SUBSTANCES AND CLEAN CONTAMINATED
SURFACES WITH WATER.

WASTE DISPOSAL

RECYCLE IF POSSIBLE. CONSULT YOUR LOCAL OR

STORAGE REQUIREMENTS

REGIONAL AUTHORITIES.

STORE IN ORIGINAL CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS. STORE IN A WELL VENTILATED AREA. CORROSIVE MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET OR ROOM.

SECTION 8 FIRST AID MEASURES

SKIN

WASH AFFECTED AREA IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF SYMPTOMS PERSIST CONSULT A PHYSICIAN FOR TREATMENT.

EYE

WITH EYE HELD OPEN, THOROUGHLY AND IMMEDIATELY RINSE WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CONSULT AN OPHTHALMOLOGIST IMMEDIATELY.

INHALATION

REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INGESTION

RINSE OUT MOUTH. DO NOT INDUCE VOMITING. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER. CALL A PHYSICIAN IMMEDIATELY.

*VALIDATED BY YORK CHEMICAL TECHNOLOGIES INC
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