

MONODE MARKING PRODUCTS, INC.
9200 TYLER BOULEVARD • MENTOR, OHIO 44060
(440) 975-8802

CONFIDENTIAL INFORMATION
MATERIAL SAFETY DATA SHEET
ESSENTIALLY SIMILAR TO U.S. DEPARTMENT OF LABOR FORM OSHA-20
DATE OF PREP: 5/4/87 REVISION DATE: 01/01/11

SECTION I

NAME & PRODUCT

CHEMICAL NAME: APC - ALL PURPOSE NEUTRALIZER

FORMULA: TRADE SECRET - CONFIDENTIAL INFORMATION - FOR CUSTOMER EYES ONLY

HAZARD CLASS: NON-HAZARDOUS

HMIS	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	1
CONTACT	1

SECTION II

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

MONOETHANOLAMINE (CAS # 141-43-5)

TLV: 3ppm

PEL: 3ppm

STEL: 6ppm

SECTION III

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 215 DEGREES (F)

VAPOR PRESSURE : LIKE WATER

% VOLATILE: 30-60

VAPOR DENSITY: LIKE WATER

SOLUBILITY IN WATER: COMPLETE (100%)

APPEARANCE: GREEN FLUORESCENT FLUID, AMINE ODOR

EVAPORATION RATE: LIKE WATER

pH: 9.2 TO 9.6

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE AVAILABLELEL: N.A.

UEL: N.A.

EXTINGUISHING MEDIA: N.A.

SPECIAL FIRE FIGHTING INSTRUCTIONS: IF WATER BOILS OFF, USE WATER FOG CARBON DIOXIDE, FOAM, DRY CHEMICAL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V

REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: N.A.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

HAZARD POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: THERMAL; OXIDES OF CARBON AND NITROGEN

SECTION VI

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

INHALATION: NA SKIN: Y INGESTION: Y

HEALTH HAZARDS (ACUTE AND CHRONIC):

INHALATION: AVOID BREATHING PRODUCT MISTS. BREATHING MISTS IN EXCESS MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. PERSONS WITH

CHRONIC RESPIRATORY DISEASE MAY SHOW INCREASED SYMPTOMS DUE TO IRRITATION.

CARCINOGENICITY: NTP: NO IARC: NO OSHA: NO

SIGNS AND SYMPTOMS OF EXPOSURE:

INGESTION: MAY EFFECT PERSONS WITH EXISTING KIDNEY OR LIVER DISEASE.

SKIN AND EYES: MILD IRRITATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SEE INHALATION EFFECTS

EMERGENCY AND FIRST AID PROCEDURES: REMOVE TO SOURCE OF FRESH AIR.

EYES: FLUSH THOROUGHLY WITH WATER FOR FIFTEEN MINUTES; IF IRRITATION CONTINUES, CONSULT PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER.

INGESTION: INDUCE VOMITING BY ADMINISTERING EMETIC, CONSULT PHYSICIAN.

SECTION VII

SPILL AND DISPOSAL PROCEDURES

POTENTIAL AS A POLLUTANT: MATERIAL IS NOT CONSIDERED A POLLUTANT. EFFECTIVE WASTE DISPOSAL TREATMENT SHOULD BE UTILIZED. COD - 511,800ppm

BIOCHEMICAL: OXYGEN DEMAND (BOD-5) 325,000ppm

SPILL, LEAK, OR RELEASE: DILUTE WITH WATER AND MOP UP.

WASTE DISPOSAL: DILUTE WITH WATER AND TRANSFER INTO SEWAGE OR WASTE DISPOSAL SYSTEM WHICH PROVIDES AIR OR BIOLOGICAL OXIDATION.

DISPOSAL SHOULD BE PERFORMED IN COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII

PROTECTION EQUIPMENT

RESPIRATORY PROTECTIONS: (REQUIRED ONLY IF SPRAYING OR MISTING) USE MECHANICAL FILTER.

VENTILATION: LOCAL EXHAUST IS SUFFICIENT.

PROTECTIVE GLOVES: RUBBER GLOVES

EYE PROTECTION: WEAR SAFETY GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: OPTIONAL - APRON

SECTION IX

STORAGE AND HANDLING PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINER TIGHTLY CLOSED, AND KEEP FROM FREEZING (32 DEGREES [F]). WASH HANDS THOROUGHLY AFTER HANDLING.

OTHER PRECAUTIONS: NONE

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