

Safety Data Sheet

Product: APD

MSDS No: 14-349

SECTION 1 IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Manufacturer: TECGRACHEM INC
Address: PO BOX 2120
KERNERSVILLE, NC 27285

Telephone: 1-336-9936785
In case of emergency call chemtrec: 1-336-9936785
Outside of U.S.A.: 1-336-9936785
Date: 8/8/2014

HMIS NFPA RATING

0 = LEAST 1 = SLIGHT 2 = MODERATE 3 = SEVERE 4 = EXTREME X = ASK SUPERVISOR

NCPA HMIS HAZARD RATING

HEALTH	3
FIRE	0
REACTION	0
PERSONAL PROTECTION	X

SECTION 2 HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION CORROSIVE

GHS Label:



GHS CLASSIFICATION

Corrosive to Eyes (1)
Corrosive to Skin (1C)

Hazard Statements/ Signal Word

Danger
H314 Causes severe skin burns and eye damage.

Precautionary Statements

P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF IN SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store secure package
P501 Dispose of contents with local/state/national/international regulations

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT

SODIUM METASILICATE

CAS#

15859-24-2

Weight%

LIMITS

Potassium Hydroxide

1310 - 58-3

SPECIFIC CHEMICAL NAME(S) AND CAS NUMBER(S) MAY BE A TRADE SECRET AS ALLOWED BY 29 CFR 1910.1200

SECTION 4 FIRST AID MEASURES

ROUTES OF EXPOSURE: EYES SKIN INGESTION INHALATION

SYMPTOMS OR ACUTE HEALTH HAZARDS

EYES: CAUSES REDNESS, TEARING, CHEMICAL BURNS.
SKIN: CORROSIVE TO SKIN. PROLONGED CONTACT CAN CAUSE SERIOUS BURNS.
INGESTION: WILL CAUSE BURNS TO MOUTH AND THROAT.
INHALATION: MAY CAUSE IRRITATION OF NOSE, THROAT AND UPPER RESPIRATORY TRACT.

ND = NOT DETERMINED NA = NOT APPLICABLE

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CHRONIC HEALTH HAZARDS SEE TOXICOLOGY SECTION.

CARCINOGENICITY: NTP ARC OSHA

FIRST AID

EYES: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION.
SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR WATER TO DILUTE. KEEP PATIENT WARM AND QUIET AND GET MEDICAL ATTENTION.
INHALATION: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: N/A
EXTINGUISHING METHOD: USE WATER, CARBON DIOXIDE, DRY CHEMICAL OR FOAM.
SPECIAL FIRE FIGHTING PROCEDURES: USE SELF-CONTAINED BREATHING APPARATUS WITH FULL FACESHIELD.
UNUSUAL FIRE FIGHTING PROCEDURES: MAY GENERATE TOXIC COMBUSTION PRODUCTS.

SECTION 6 ACCIDENTIAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation. Keep people away from and upwind of spill/leak.
ENVIRONMENTAL PRECAUTIONS: Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Advise water authority if spillage has entered water course or drainage system.
METHODS FOR CLEAN UP: Use mechanical handling equipment. Soak up with inert absorbent material(e.g. sand, silica gel, acid binder, universal binder, sawdust)

SECTION 7 HANDLING AND STORAGE

SPILL: VENTILATE AREA. PERSONS PERFORMING CLEAN-UP SHOULD WEAR ADEQUATE PROTECTION EQUIPMENT. CONTAIN MATERIAL BY DIKING THE AREA AROUND THE SPILL. IF THE PRODUCT IS IN A SOLID FORM, SHOVEL DIRECTLY INTO RECOVERY DRUMS. IF THE PRODUCT IS A LIQUID, IT SHOULD BE PICKED UP USING A SUITABLE ABSORBANT MATERIAL, THEN SHOVELED TO RECOVERY DRUMS. IF THE MATERIAL IS RELEASED INTO THE ENVIRONMENT, THE USER SHOULD DETERMINE WHETHER THE SPILL SHOULD BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL AUTHORITIES.
WASTE DISPOSAL METHOD: CONSULT LOCAL, STATE, AND FEDERAL REGULATIONS BEFORE DISPOSAL OF THIS MATERIAL.
HANDLING AND STORAGE: MATERIAL SHOULD BE STORED IN ITS OWN CONTAINER AND SHOULD ALWAYS BE KEPT COVERED WHEN NOT IN USE.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION: IF NEEDED, USE A NIOSH APPROVED RESPIRATOR.
VENTILATION USE SUFFICIENT MECHANICAL(GENERAL)OR LOCAL EXHAUST.
PROTECTIVE EQUIPMENT: GLOVES FACESHIELD APRON GOGGLES IMPERVIOUS COVERALLS
WORK/ HYGIENIC PRACTICES: AS WITH ALL INDUSTRIAL CHEMICALS, CARE SHOULD BE TAKEN TO AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. HANDS AND UNPROTECTED SKIN SHOULD BE THOROUGHLY WASHED AND CONTAMINATED CLOTHING SHOULD BE CHANGED PRIOR TO ANY DIRECT PERSONAL CONTACT. ALL EXPOSED CLOTHING SHOULD BE LAUNDERED PER NORMAL CARE INSTRUCTIONS BEFORE REUSE

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PH: 12.0-13.0Y AS IS
SOLUBILITY: SOLUBLE IN WATER
SPECIFIC GRAVITY: 1.300
APPEARANCE: ~~Colorless~~ LIQUID
Red

SECTION 10 STABILITY AND REACTIVITY

ND = NOT DETERMINED NA = NOT APPLICABLE

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STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE
CONDITIONS AND MATERIALS TO AVOID: NONE KNOWN

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: No data available.

PRIMARY IRRITANT EFFECT: On the skin: In case of longer, direct contact with the skin slight irritations are possible.
On the eye: In case of direct contact irritations are possible.
Sensitization: No sensitizing effect known.

SECTION 12 ECOLOGICAL INFORMATION

PERSISTENCE AND BIODEGRADABILITY:

Readily biodegradable: N/D

ECOTOXICAL EFFECTS: Aquatic toxicity: N/D

ADDITIONAL ECOLOGICAL INFORMATION: Chemical Oxygen Demand: N/D

SECTION 13 DISPOSAL CONSIDERATIONS

Consult local, state and federal authorities.

SECTION 14 TRANSPORT INFORMATION

TRANSPORTATION: UN3267 Corrosive Liquid, Basic, Organic, N.O.S
(Sodium Metasilicate) 8 PG II

UN 1814 Corrosive Liquid
(Potassium Hydroxide)

SECTION 15 REGULATORY DATA

TITLE III-SARA: THE FOLLOWING DATA IS BEING SUPPLIED IN COMPLIANCE WITH TITLE III SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) PART 313 AND 40 CFR 372

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS FOUND ON THE SARA LIST IN 40 CFR 372.

CALIFORNIA PROPOSITION 65: CONTAINS NO MATERIALS KNOWN TO BE ON THE CALIFORNIA PROPOSITION 65 LIST.

SECTION 16 OTHER INFORMATION

Large Spill: Isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.

Fire: If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

DISCLAIMER

THE INFORMATION GIVEN HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THIS COMPANY OR NOT. THE INFORMATION IS OFFERED SOLELY FOR YOUR CONSIDERATION. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT AND SUITABLE FOR THEIR NEEDS.