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October 22, 2001

Mr. Sean Furjanic
Pennsylvania Department of Environmental Protection
Water Quality Management
909 Elmerton Avenue
Harrisburg, PA 17110-8200

CCN-16018

Subject: Chemical Additive Name Change for NPDES Permit PA0009733.

Dear Mr. Furjanic;

This letter is to request a name change to a chemical additive listed in Section C.III.B of NPDES Permit PA0009733. The current chemical is PEC03, a sodium salt of methyl benzotriazole. The manufacturer has changed the name to Inhibitor AZ8100. The usage of the additive will be unchanged from that presented in the permit application. This is only a name change. Attached is an updated MSDS for Inhibitor AZ8100. If you have any questions on this matter, feel free to contact me at 610-765-5904. Thank you for your attention to this matter.

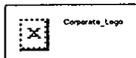
Sincerely,



Mr. Tracy J. Siglin
Environmental Project Specialist

Cc: NRC Document Control Desk (Docket No. 50-277, 50-278).
A.C. McMurray, Senior Resident Inspector, USNRC, PBAPS
Gallagher, M.P.
Jordan, D.M. PS2-1
Correspondence Control Desk

Cool



ISSUE DATE: 03-MAY-2000

MATERIAL SAFETY DATA SHEET

BetzDearborn, Division of Hercules Incorporated
4636 Somerton Road
Trevose, PA 19053
Business telephone: (215) 355-3300

EMERGENCY TELEPHONE (HEALTH/ACCIDENT)
(800) 877-1940 (USA)

HMIS RATINGS
 (See Section 16 for
 additional information)
HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

1 PRODUCT IDENTIFICATION

PRODUCT NAME:

INHIBITOR AZ8100

PRODUCT APPLICATION AREA:

WATER-BASED CORROSION INHIBITOR.**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this MSDS for our assessment of the potential hazards of this formulation.

HAZARDOUS INGREDIENTS:

| CAS# | CHEMICAL NAME |
|------------|---|
| 64665-57-2 | BENZOTRIAZOLE, METHYL, SODIUM SALT (SODIUM TOLYLTRIAZOLE), (TTA) Corrosive (eyes and skin); toxic (by ingestion) |

No component is considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration at OSHA thresholds for carcinogens.

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER

Corrosive to skin. Corrosive to the eyes. Mists/aerosols cause irritation to the upper respiratory tract.

DOT hazard: Corrosive to skin
Emergency Response Guide #154
Odor: Mild; Appearance: Amber, Liquid

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type). Proper fire-extinguishing media: dry chemical, carbon dioxide, foam or water

POTENTIAL HEALTH EFFECTS

ACUTE SKIN EFFECTS:

Primary route of exposure; Corrosive to skin.

ACUTE EYE EFFECTS:

Corrosive to the eyes.

ACUTE RESPIRATORY EFFECTS:

Mists/aerosols cause irritation to the upper respiratory tract.

INGESTION EFFECTS:

May cause severe irritation or burning of the gastrointestinal tract.

TARGET ORGANS:

Prolonged or repeated exposures may cause tissue necrosis.

MEDICAL CONDITIONS AGGRAVATED:

Not known.

SYMPTOMS OF EXPOSURE:

Causes redness or itching of skin, possibly leading to burns (dependent on the length of exposure).

4 FIRST AID MEASURES

SKIN CONTACT:

Remove clothing. Wash area with large amounts of soap solution or water for 15 min. Immediately contact physician.

EYE CONTACT:

Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get immediate medical attention.

INHALATION:

Remove to fresh air. Apply necessary first aid treatment. Immediately contact a physician.

INGESTION:

Do not feed anything by mouth to an unconscious or convulsive victim. Do not induce vomiting. Immediately contact physician. Dilute contents of stomach using 3-4 glasses milk or water.

NOTES TO PHYSICIANS:

No special instructions

5 FIRE FIGHTING MEASURES

FIRE FIGHTING INSTRUCTIONS:

Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type).

EXTINGUISHING MEDIA:

dry chemical, carbon dioxide, foam or water

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition (destructive fires) yields elemental oxides.

FLASH POINT:

> 200F > 93C SETA(CC)

MISCELLANEOUS:

Corrosive to skin

UN1719;Emergency Response Guide #154

6 ACCIDENTAL RELEASE MEASURES

PROTECTION AND SPILL CONTAINMENT:

Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Wet area may be slippery. Spread sand/grit.

DISPOSAL INSTRUCTIONS:

Water contaminated with this product may be sent to a sanitary sewer treatment facility, in accordance with any local agreement, a permitted waste treatment facility or discharged under a permit. Product as is - Incinerate or land dispose in an approved landfill.

7 HANDLING & STORAGE

HANDLING:

Alkaline. Corrosive (Skin/eyes). Do not mix with acidic material.

STORAGE:

Keep containers closed when not in use. Store in cool ventilated location. Store away from oxidizers.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS**CHEMICAL NAME**

BENZOTRIAZOLE, METHYL, SODIUM SALT (SODIUM TOLYLTRIAZOLE), (TTA)

PEL (OSHA): NOT DETERMINED

TLV (ACGIH): NOT DETERMINED

ENGINEERING CONTROLS:

adequate ventilation

PERSONAL PROTECTIVE EQUIPMENT:

Use protective equipment in accordance with 29CFR 1910 Subpart I

RESPIRATORY PROTECTION:

A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. USE AIR PURIFYING RESPIRATORS WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR-RESPIRATORS. If air-purifying respirator use is appropriate, use a respirator with dust/mist filters.

SKIN PROTECTION:

gauntlet-type neoprene gloves, chemical resistant apron--

Wash off after each use. Replace as necessary.

EYE PROTECTION:

splash proof chemical goggles, face shield

9 PHYSICAL & CHEMICAL PROPERTIES

| | | | |
|----------------------------|----------|-----------------------|--------|
| Specific Grav. (70F,21C) | 1.215 | Vapor Pressure (mmHG) | ~ 18.0 |
| Freeze Point (F) | -25 | Vapor Density (air=1) | < 1.00 |
| Freeze Point (C) | -32 | | |
| Viscosity(cps 70F,21C) | 190 | % Solubility (water) | 100.0 |
| Odor | | Mild | |
| Appearance | | Amber | |
| Physical State | | Liquid | |
| Flash Point | SETA(CC) | > 200F > 93C | |
| pH As Is (approx.) | | 13.0 | |
| Evaporation Rate (Ether=1) | | < 1.00 | |

NA = not applicable ND = not determined

10 STABILITY & REACTIVITY**STABILITY:**

Stable under normal storage conditions.

HAZARDOUS POLYMERIZATION:

Will not occur.

INCOMPATIBILITIES:

May react with acids.

DECOMPOSITION PRODUCTS:

Thermal decomposition (destructive fires) yields elemental oxides.

BETZDEARBORN INTERNAL PUMPOUT/CLEANOUT CATEGORIES:

"C"

11 TOXICOLOGICAL INFORMATION

| | |
|---------------------|--------------|
| Oral LD50 RAT: | 1,150 mg/kg |
| Dermal LD50 RABBIT: | >2,000 mg/kg |

NOTE - Estimated value

12 ECOLOGICAL INFORMATION**AQUATIC TOXICOLOGY**

Daphnia magna 48 Hour Static Renewal Bioassay
pH of test solutions was adjusted to a level of 6-9.

LC50: 243 mg/L
No Effect Level: 75 mg/L

Bluegill Sunfish 96 Hour Static Acute Bioassay

LC50: 109.3 mg/L
No Effect Level: 42 mg/L

Mysid Shrimp 48 Hour Static Acute Bioassay

LC50: 166 mg/L
No Effect Level: 10 mg/L

Sheepshead Minnow 48 Hour Static Acute Bioassay

LC50: 475 mg/L
No Effect Level: 370 mg/L

Fathead Minnow 96 Hour Static Renewal Bioassay
pH of test solutions was adjusted to a level of 6-9.

LC50: 105 mg/L
No Effect Level: 75 mg/L

Rainbow Trout 96 Hour Static Renewal Bioassay

LC50: 34 mg/L
No Effect Level: 15 mg/L

Ceriodaphnia 48 Hour Static Renewal Bioassay

LC50: 147 mg/L
No Effect Level: 37 mg/L

BIODEGRADATION

| | |
|-----------------|-----|
| COD (mg/gm): | 810 |
| TOC (mg/gm): | 280 |
| BOD-5 (mg/gm): | 4 |
| BOD-28 (mg/gm): | 22 |

13 DISPOSAL CONSIDERATIONS

If this undiluted product is discarded as a waste, the US RCRA hazardous waste identification number is :
D002=Corrosive(pH).

Please be advised; however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

14 TRANSPORT INFORMATION

| | |
|---------------------------------|-------------------|
| DOT HAZARD: | Corrosive to skin |
| UN / NA NUMBER: | UN1719 |
| DOT EMERGENCY RESPONSE GUIDE #: | 154 |

15 REGULATORY INFORMATION

TSCA:

All components of this product are listed in the TSCA inventory.

CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ):

No regulated constituent present at OSHA thresholds

SARA SECTION 312 HAZARD CLASS:

Immediate(acute);Delayed(Chronic)

SARA SECTION 302 CHEMICALS:

No regulated constituent present at OSHA thresholds

SARA SECTION 313 CHEMICALS:

No regulated constituent present at OSHA thresholds
CALIFORNIA REGULATORY INFORMATION

**CALIFORNIA SAFE DRINKING WATER AND TOXIC
 ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT:**

No regulated constituent present at OSHA thresholds
MICHIGAN REGULATORY INFORMATION

No regulated constituent present at OSHA thresholds

16 OTHER INFORMATION

| NFPA/HMIS | | CODE TRANSLATION |
|--------------------------|------|-------------------------------------|
| Health | 3 | Serious Hazard |
| Fire | 1 | Slight Hazard |
| Reactivity | 0 | Minimal Hazard |
| Special | CORR | DOT corrosive |
| (1) Protective Equipment | D | Goggles, Face Shield, Gloves, Apron |

(1) refer to section 8 of MSDS for additional protective equipment recommendations.

CHANGE LOG

| | EFFECTIVE DATE | REVISIONS TO SECTION: | SUPERCEDES |
|--------------|-------------------|-----------------------|-------------|
| | ----- | ----- | ----- |
| MSDS status: | 28-JAN-1997 | | ** NEW ** |
| | 19-FEB-1997 | 12 | 28-JAN-1997 |
| | 03-OCT-1997 | 8 | 19-FEB-1997 |
| | 29-MAY-1998 | 12 | 03-OCT-1997 |
| | 08-FEB-1999 | 3, 5, 14 | 29-MAY-1998 |
| | 15-JUN-1999 | 12 | 08-FEB-1999 |
| | 30-AUG-1999 | 4; EDIT:9 | 15-JUN-1999 |
| | 03-MAY-2000 | 12 | 30-AUG-1999 |