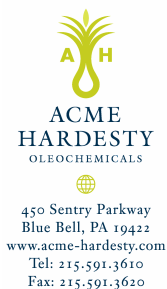


Material Safety Data Sheet



PRODUCT NAME: SHAROMIX 704

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: SHAROMIX 704
DATE: March 17, 2010

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
FAX: (215) 591 – 3620
EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of Dehydroacetic acid, Benzoic acid, Sorbic acid in 2-Phenoxyethanol

| DANGEROUS SUBSTANCE | CAS# | RANGE (%) | SYMBOL / R PHRASE | |
|--|----------|-----------|-------------------|------------|
| 2-Phenoxyethanol [EC No 204-589-7] | 122-99-6 | 81 % | Xn | R 22,36 |
| 3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione [EC No – Not Applicable] | 520-45-6 | 9 % | Xn | R 22 |
| Benzoic acid [EC No 200-618-2] | 65-85-0 | 6 % | Xn | R 22/36 |
| 1,3-Pentadiene-1-carboxylic acid; Hexa-2, 4-dienoic acid; 2,4-Hexadienoic acid [EC No 203-768-7] | 110-44-1 | 4% | Xi | R 36/37/38 |

HAZARDS IDENTIFICATION

HAZARDS DESIGNATION: Xn: Harmful

PARTICULAR DANGERS FOR MAN/ ENVIRONMENT: R22: Harmful if swallowed
R36: Irritating to eyes.
R37: Irritating to respiratory system
R38: Irritating to skin

CLASSIFICATION SYSTEM: The classification is based on the criteria set out in EC Directive 93/21/EEC and its amendments.

FIRST AID MEASURES

| | |
|-----------------------------|---|
| GENERAL INFORMATION: | Remove contaminated soaked clothing immediately and dispose of safely. |
| INHALATION: | Ensure supply of fresh air. In the event of symptoms, refer for medical treatment. |
| SKIN CONTACT: | Wash off immediately with soap and water for at least 15 minutes. Consult a doctor if skin irritation persists. |
| EYE CONTACT: | In case of contact with eyes, rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice. |
| INGESTION: | Harmful if ingested, causes irritation Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Summon a doctor immediately. |
| ADVICE TO DOCTOR/TREATMENT: | Treat symptomatically |

FIRE FIGHTING MEASURES

| | |
|---------------------------------|---|
| SUITABLE EXTINGUISHING MEDIA: | Water spray jet Dry powder Carbon dioxide Foam |
| UNSUITABLE EXTINGUISHING MEDIA: | Full water jet for safety reasons |
| SPECIAL EXPOSURE HAZARDS: | Risk of formation of toxic pyrolysis products |
| SPECIAL PROTECTIVE EQUIPMENT: | Use breathing apparatus Wear full protective suit |
| ADDITIONAL INFORMATION: | Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. |

ACCIDENTAL RELEASE MEASURES

| | |
|------------------------------------|---|
| PERSONAL SAFETY PRECAUTIONS: | Avoid contact with skin, eyes and clothing. Use breathing apparatus if exposed to vapors/dust/aerosol. Ensure adequate ventilation. Keep away sources of ignition. |
| ENVIRONMENTAL PROTECTION MEASURES: | Do not discharge into the drains/surface waters/groundwater. |
| CLEANING/COLLECTING MEASURES: | Take up with absorbent material (e.g. sand). Send in suitable containers for recovery or disposal. Dispose of absorbed material in accordance with the regulations. |

HANDLING AND STORAGE

| | |
|--------------------------------------|--|
| ADVICE ON SAFE HANDLING: | Avoid formation of aerosols. Use solvent-resistant equipment. Use only in well-ventilated areas. Avoid contact with eyes and open cuts. Wash thoroughly after handling. Keep away from food and, domestic water supplies. |
| FIRE AND EXPLOSION PROTECTION: | Keep away from sources of ignition. Take precautionary measures against static discharges. |
| STORAGE ROOMS/VESSELS. REQUIREMENTS: | Keep only in original container. Provide solvent-resistant and impermeable floor. |
| STORAGE COMPATIBILITY: | Do not store with combustible materials. |
| ADDITIONAL STORAGE CONDITIONS INFO: | Keep container in a well-ventilated place. Keep container tightly closed. Protect from heat/overheating. |

EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---|--|
| ADDITIONAL DESIGN OF TECHNICAL SYSTEMS INFORMATION: | No further data |
| RESPIRATORY PROTECTION: | Breathing apparatus in event of aerosol or mist formation. Short term: filter apparatus, combination Filter A-P2 |
| HAND PROTECTION: | Gloves (solvent-resistant) |
| EYE PROTECTION: | Protective goggles |
| SKIN PROTECTION: | Protective clothing |
| GENERAL PROTECTIVE MEASURES: | Avoid contact with eyes and skin. Do not inhale gases/vapors/aerosols. |
| HYGIENE MEASURES: | Do not eat or drink when working. Clean skin thoroughly after work, apply skin cream. Wash hands before breaks and after work. Use barrier skin cream. Remove soiled or soaked clothing immediately. |

PHYSICAL AND CHEMICAL PROPERTIES

2-PHENOXYEHANOL

| | |
|------------------------------|----------------------|
| GENERAL INFORMATION: | |
| FORM: | Liquid |
| COLOR: | Colorless |
| ODOR: | Faint, specific odor |
| pH VALUE (1% Solution): | 5.5 – 7 |
| MELTING POINT, °C: | < 10°C |
| BOILING POINT, °C: | 244 – 248 °C |
| FLASH POINT: | 121°C |
| IGNITION TEMPERATURE, °C: | 157°C |
| FLAMMABILITY, °C: | Not applicable |
| DENSITY @ 25°C: | 1.125 |
| SOLUBILITY IN WATER: | 2.67 gr/100ml |
| SOLUBIKITY OIL AND SOLVENTS: | Soluble |

STABILITY AND REACTIVITY

HAZARDOUS REACTIONS

CONDITIONS TO AVOID: Heat, flame and other sources of ignition.
MATERIALS TO AVOID: Do not subject to acidic pH and mineral acids

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products known.

TOXICOLOGICAL INFORMATION

| | <u>DIMENSION</u> | <u>SPECIES</u> | <u>VALUE</u> : |
|---------------------------|------------------|---------------------------|----------------|
| ACUTE ORAL TOXICITY | LD50 | Rat | 1260 mg/kg |
| ACUTE DERMAL TOXICITY | LD50 | Rabbit | 5000 mg/kg |
| ACUTE INHALATION TOXICITY | No | | |
| IRRITANT EFFECT ON SKIN | Non-irritant | (without dilution) Rabbit | |
| IRRITANT EFFECT ON EYE | Mild irritant | (without dilution) Rabbit | |
| SKIN SENSITIZATION | Non-irritant | Guinea pigs | |
| SUB-ACUTE TOXICITY | No | | |
| CHRONIC TOXICITY: | No | | |
| SUB-CHRONIC TOXICITY | No | | |
| MUTAGENICITY | No | | |
| CARCINOGENICITY | No | | |
| REPRODUCTION TOXICITY | No | | |

ECOLOGICAL INFORMATION

ELIMINATION INFORMATION (Biodegradability and bioaccumulation potential):

2-Phenoxyethanol attained > 90% ThOD in a BOD test.

Low potential to bio-accumulate.

The log K_{ow} of 1.16 indicates that the substance is not expected to bio-concentrate in aquatic organisms.

DEGRADABILITY ACCORDING TO LAW OF WASH AND CLEANSING AGENT (WRMG): Not applicable

BEHAVIOR IN ENVIRONMENT SYSTEMS:

ECOTOXICOLOGICAL EFFECTS (2- Phenoxyethanol)

| | | | |
|----------------|------|----------------------------|----------|
| fathead minnow | LC50 | <i>Pimephales promelas</i> | 344 mg/l |
| golden orfe | NOEC | <i>Idus idus melanotus</i> | 200 mg/l |

ADDITIONAL ECOLOGICAL INFORMATION:

AOX-INDICATION: The product does not contain substances which can influence the AOX of waste water.

HEAVY METALS/ COMPOUNDS CONTAINED PER EC GUIDELINE NO. 76/464 EC: Due to its formulation, the product does not contain heavy metals.

DISPOSAL CONSIDERATIONS

DISPOSAL/PRODUCT: For recycling, contact manufacturer
Product must be disposed of according to local regulations pertaining to the disposal of hazardous waste

EUROPEAN WASTE CATALOGUE: 16 wastes not otherwise specified in the list
16 03 off-specification batches and unused products
16 03 06 organic wastes other than those mentioned in 16 03 05

DISPOSAL/CONTAMINATED PKG: Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse

TRANSPORT INFORMATION

LAND TRANSPORT ADR/RID (cross-border domestic):
Class/Division/Group: No dangerous good
UN-No.: ---
Description: ---

INLAND WATERWAYS TRANSPORT/REMARKS
MARINE TRANSPORT/IMDG-CODE

Class: No dangerous good
UN-No.: ---
Packing Group: ---
EmS Number: ---
MFAG: ---
Marine Pollutant: ---
Proper shipping name: ---

AIR TRANSPORT/ICAO AND IATA-DGR

Class: No dangerous good
UN-/ID No.: ---
Packing group: ---
Proper shipping name: ---

REGULATORY INFORMATION

CLASSIFIED& LABELED IN ACCORDANCE WITH EC DIRECTIVES/ORDINANCE ON HAZARDOUS MATERIALS (CHIP):

CODE LETTER/HAZARD DESIGNATION: Xn: Harmful

HAZARD DETERMINING COMPONENTS OF LABELING: 2-Phenoxyethanol

RISK PHRASES: R22: Harmful if swallowed
R36: Irritating to eyes
R37: Irritating to respiratory system
R38: Irritating to skin

SAFETY PHRASES: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of water.
S46: If swallowed, seek medical advice immediately and show this container or label.
S51: Use only in well-ventilated areas.

CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH): Not listed in COMAH

WATER HAZARD CLASS: WGK 1