

Material Safety Data Sheet



PRODUCT NAME: SHAROMIX 702

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: SHAROMIX 702
DATE: December 16, 2009

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

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COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of Phenoxyethanol, Benzoic Acid, Dehydroacetic Acid and Water

DANGEROUS SUBSTANCE	CAS#	RANGE (%)	SYMBOL / R PHRASE	
2-Phenoxyethanol [EC No 204-589-7]	122-99-6	74 %	Xn	R 22/36
Benzoic acid [EC No 200-618-2]	65-85-0	12 %	Xn	R 22/36
3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione [EC No – Not Applicable]	520-45-6	7 %	Xn	R 22

HAZARDS IDENTIFICATION

HAZARDS DESIGNATION: Xn Harmful

PARTICULAR DANGERS FOR MAN/ ENVIRONMENT: R22: Harmful if swallowed
R36: Irritating to eyes.

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.

FIRST AID MEASURES, cont.

SKIN CONTACT: In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

EYE CONTACT: In case of contact with eyes rinse thoroughly with plenty of water and seek medical
advice.

INGESTION: 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

NON- SUITABLE EXTINGUISHING MEDIA: Full water jet for safety reasons

SPECIAL EXPOSURE HAZARDS: Risk of formation of toxic pyrolysis products

SPECIAL PROTECTIVE EQUIPMENT: Use breathing apparatus and 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: 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: Keep Wipe up with absorbent material (e.g. cloth, fleece).
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder,
universal binder, sawdust).
Send in suitable containers for recovery or disposal

HANDLING AND STORAGE

ADVICE ON SAFE HANDLING: Avoid formation of aerosols.
Use solvent-resistant equipment
Use only in well-ventilated areas.

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.

HANDLING AND STORAGE, cont.

ADDITIONAL STORAGE CONDITIONS INFO: Keep container in a well-ventilated place.
 Keep container tightly closed.
 Protect from heat/overheating. Keep away from direct sunlight.
 Protect from frost.

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: impervious gloves

SPLASH PROTECTION: Disposable nitrile rubber gloves

PROLONGED CONTACT: Butyl rubber gloves (>480 min.)

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

FORM: Liquid
COLOUR: Yellowish
ODOUR: Characteristic
FLAMMABILITY (°C): Not Applicable
pH-Value, 20°C: 3 - 4 @ 20 g/l
MELTING POINT: Not Applicable
BOILING POINT: > 100°C
FLASH POINT: > 100°C Method: ISO 2719
DECOMPOSITION TEMPERATURE: > 100°C
SELF-IGNITION TEMPERATURE: > 400°C
LOWER EXPLOSION LIMIT: Not determined
UPPER EXPLOSION LIMIT: Not determined
COMBUSTIBLE PROPERTIES: No
VAPOUR PRESSURE, 20°C: ca.25 hPa
Density, 20°C: 1.120
SOLUBILITY IN WATER: Slightly soluble
VISCOSITY: Not determined

STABILITY AND REACTIVITY

HAZARDOUS REACTIONS: Reactions with oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products known.

TOXICOLOGICAL INFORMATION

	<u>DIMENSION</u>	<u>SPECIES</u>	<u>VALUE</u> :
ACUTE ORAL TOXICITY	LD50	rat	> 2000 mg/kg
ACUTE DERMAL TOXICITY	No		
ACUTE INHALATION TOXICITY	No		
IRRITANT EFFECT ON SKIN Method: OECD Test Guideline, 404	Non-irritant	guinea pig	concentrate
IRRITANT EFFECT ON EYE Method: OECD Test Guideline, 405	Irritant	rabbit	concentrate
SENSITIZATION Method: OECD Test Guideline, 406	Moderate Sensitizing	guinea pig	concentrate
SUBACUTE TOXICITY	No		
CHRONIC AND SUBCRONIC TOXICITY	No		
MUTAGENICITY	No		
CARCINOGENICITY	No		
REPRODUCTION TOXICITY	No		

ECOLOGICAL INFORMATION

ELIMINATION INFORMATION (Biodegradability and bioaccumulation potential):

Biodegradable up to the MIC for bacteria.
 Chemical Oxygen Demand (COD): 20.791 mg/l;
 Test substance: 1% solution.
 2-Phenoxyethanol attained > 90% ThOD in a BOD test.
 Low potential to bio-accumulate.

The log K_{ow} 1.16 of Phenoxyethanol and K_{ow} 1.87 of Benzoic Acid indicate that these substances are 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

ECOLOGICAL INFORMATION, cont.

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.

FURTHER INFORMATION:

Avoid transfer into the environment.

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: ---
Label: ---
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

CODE LETTER/HAZARD DESIGNATION: Xn: Harmful

HAZARD DETERMINING COMPONENTS OF LABELING: 2-Phenoxyethanol

RISK PHRASES: R22: Harmful if swallowed.
R36: Irritating to eyes.

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.

Designation and concentration of biocidal ingredients according to EC directive 98/8/EC:

2-Phenoxyethanol	740.0 g/kg
Benzoic acid	120.0 g/kg
3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione	70.0 g/kg

NATIONAL REGULATIONS

REGULATIONS WHICH MAY APPLY IN EVENT OF ACCIDENT: ---

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

WATER HAZARD CLASS: WGK 1

The data herein are based on our current knowledge and believed to be reliable. Acme-Hardesty Co., provides this information without any representation or warranty, expressed or implied, regarding its accuracy or correctness.

Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.