

Material Safety Data Sheet



PRODUCT NAME: SHAROMIX 700

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: SHAROMIX 700
DATE: December 16, 2009
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 Phenoxyethanol, Benzoic Acid, Dehydroacetic Acid and Water

DANGEROUS SUBSTANCE	CAS#	RANGE (%)	SYMBOL / R PHRASE	
2-Phenoxyethanol [EC No 204-589-7]	122-99-6	77.7 %	Xn	R 22/36
Benzoic acid [EC No 200-618-2]	65-85-0	7.9 %	Xn	R 22/36
3-Acetyl-6-methyl-2H-pyran-2,4(3H)-dione [EC No – Not Applicable]	520-45-6	9.9 %	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:	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

PHYSICAL AND CHEMICAL PROPERTIES, cont.

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 SUBCHRONIC 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

ECOLOGICAL INFORMATION, cont.

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.

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

DESIGNATION ACCORDING TO EC GUIDELINES: The product has been classified and 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.

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