

Material Safety Data Sheet



PRODUCT NAME: SHAROMIX 300

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: SHAROMIX 300
DATE: April 6, 2012

DISTRIBUTOR: ACME-HARDESTY COMPANY
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COMPOSITION / INFORMATION ON INGREDIENTS

<u>DANGEROUS SUBSTANCE</u>	<u>CAS#</u>	<u>RANGE (%)</u>	<u>SYMBOL / R PHRASE</u>
2-Phenoxyethanol [EC No 204-589-7]	122-99-6	73 - 77	Xn / R22/36
2-Bromo-2-nitropropane - 1, 3-diol [EC No. 200-143-0]	52-51-7	4.5 - 5.5	Xn, N / R21/22, 36, 37/38, 41, 50
Methyl-4-hydroxybenzoate [EC No 202-785-7]	99-76-3	13.5 - 16.5	----
Propyl-4-hydroxybenzoate [EC No 202-307-7]	94-13-3	4.5 - 5.5	----

HAZARDS IDENTIFICATION

HAZARDS DESIGNATION:

Xn: Harmful
N: Dangerous for the environment

INFORMATION PERTAINING TO PARTICULAR DANGERS FOR MAN AND ENVIRONMENT:

R 21: Harmful if contact with skin
R 22: Harmful if swallowed
R36: Irritating to eyes.
R 37: Irritating to respiratory system
R 38: Irritating to skin.
R 41: Risks of serious damage to eyes.
R 50: Very toxic to aquatic organisms

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: 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 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 HAZARD: Risk of formation of toxic pyrolysis products.

FIRE-FIGHTERS SPECIAL PROTECTION: 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: Do not discharge into the drains/surface waters/groundwater.

METHODS FOR CLEANING/COLLECTING: Take up with absorbent material (e.g. sand).
Send in suitable containers for recovery or disposal.

PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid	BOILING POINT, °C:	244 – 248°C
COLOR:	Colorless	FLASH POINT, °C:	121°C
ODOR:	Faint, Specific	IGNITION TEMPERATURE, °C	157°C
FLAMMABILITY, °C:	Not Applicable	DENSITY @ 25°C:	1.125
pH VALUE (1% SOLUTION):	5.5 – 7	SOLUBILITY IN WATER:	2.67 g/100ml
MELTING POINT, °C:	< 10°C	SOLUBILITY 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.

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

AGAINST FIRE/ EXPLOSION PROTECTION ADVICE: 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.

ADVICE ON STORAGE COMPATIBILITY: Do not store with combustible materials.

FURTHER STORAGE CONDITIONS INFORMATION: Keep container in a well-ventilated place.
Keep container tightly closed.
Protect from heat/overheating.

EXPOSURE CONTROLS / PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT DESIGN OG TECNHICAL SYSTEMS: 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.

 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		
SKIN IRRITANT EFFECT:	Non-irritant (without dilution)	rabbit	
EYE IRRITANT EFFECT:	Mild Irritant (without dilution)	rabbit	
SKIN SENSITIZATION:	Non-irritant	guinea pigs	
SUBACUTE 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 bioaccumulate.

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 CLEAN AGENT (WRMG): Not applicable

BEHAVIOR IN ENVIRONMENT SYSTEMS

ECOTOXICOLOGICAL EFFECTS: 2-Phenoxyethanol

fathead minnow LC50 *Pimephales promelas* 344 mg/l

golden orfe NOEC *Idus idus melanotus* 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 PER EC GUIDELINE NO. 76/464 EC: Due to its formulation, the product does not contain heavy metals.

 DISPOSAL CONSIDERATIONS

DISPOSAL /PRODUCT: For recycling, consult 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 PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

TRANSPORT INFORMATION

LAND TRANSPORT ADR/RID

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 III	
EmS:	---
MFAG:	---
Marine Pollutant:	---
Proper shipping name	---

AIR TRANSPORT/ICAO/IATA-DGR

Class:	No dangerous good
UN-/ID-Nr.:	---
Packing group; III	---
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 AND HAZARD DESIGNATION OF PRODUCT: Xn: Harmful
N: Dangerous for the environment

HAZARD DETERMINING COMPONENTS OF LABELING: 2-Phenoxyethanol
Bronopol

R-Phrases (Risk):	R 21:	Harmful if contact with skin
	R 22:	Harmful if swallowed
	R36:	Irritating to eyes.
	R 37:	Irritating to respiratory system
	R 38:	Irritating to skin.
	R 41:	Risks of serious damage to eyes.
	R 50:	Very toxic to aquatic organisms

S-Phrases (Safety):	S 26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28:	After contract with skin, wash immediately with plenty of water.
	S 3738/39:	Wear suitable protective clothing, gloves and eye/face protection.
	S46:	If swallowed, seek medical advice immediately and show this container or label.
	S51:	Use only in well-ventilated areas
	S 61:	Avoid release to the environment. Refer to special instructions/Safety data sheets.

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

WATER HAZARD CLASS: WGK 1

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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.