

Material Safety Data Sheet



PRODUCT NAME: SHAROMIX 707

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: SHAROMIX 707
DATE: February 18, 2010

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

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COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of Dehydroacetic acid, Benzoic acid, Sorbic acid, Capryl Glycol in Benzyl alcohol

<u>DANGEROUS SUBSTANCE</u>	<u>CAS#</u>	<u>RANGE (%)</u>	<u>SYMBOL / R PHRASE</u>	
Benzyl alcohol [EC No 202-859-9]	100-51-6	71 %	Xn	R20/21/22,36
1,2-Octanediol [EC No 214254-7]	1117-868	10 %	Xi	R 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
Xi: Irritant

PARTICULAR DANGERS FOR MAN/ ENVIRONMENT: R20: Harmful by inhalation
R21: Harmful by skin contact
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
NON- SUITABLE EXTINGUISHING MEDIA:	Full water jet for safety reasons
SPECIAL EXPOSURE HAZARDS:	Combustible Vapors heavier than air Possibility of formation of expressible mixtures with air Development of hazardous combustion gases or vapors possible in event of fire
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:	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.
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 acid-resistant floor.
STORAGE COMPATIBILITY:	Do not store with combustible materials.
ADDITIONAL STORAGE CONDITIONS INFO:	Keep container in a well-ventilated place. Keep away from sources of ignition and heat. 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, FilterP1
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:	Slightly viscous liquid
COLOR:	Colorless
ODOR:	Odorless
pH Value:	Not applicable
MELTING POINT:	< 0°C
BOILING POINT (Benzyl alcohol):	205°C
FLASH POINT (Benzyl alcohol):	101°C
SELF-IGNITION TEMPERATURE:	435°C
LOWER EXPLOSION LIMIT:	1.3 ppm
UPPER EXPLOSION LIMIT:	13% by vol.
COMBUSTIBLE PROPERTIES:	Yes
VAPOUR PRESSURE, 20°C (Benzyl alcohol):	0.13 mbar
DENSITY, 20°C (Benzyl alcohol):	1.045 g/cm ³
SOLUBILITY IN WATER (Benzyl alcohol):	40 g/l
VISCOSITY:	Not available

STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions. Avoid overheating.
MATERIALS TO AVOID: Strong oxidizing agents, alkalis, conc. sulfuric acid.
HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products known.

TOXICOLOGICAL INFORMATION

	<u>DIMENSION</u>	<u>SPECIES</u>	<u>VALUE</u> :
ACUTE ORAL TOXICITY			
Benzyl alcohol	LD50	Rat	1230 mg/kg
ACUTE DERMAL TOXICITY	---		
ACUTE INHALATION TOXICITY	Mucous irritations		
IRRITANT EFFECT ON SKIN	Irritant, danger of skin absorption		
IRRITANT EFFECT ON EYE	Irritant		
SENSITIZATION	No		
SUB-ACUTE TOXICITY	No		
CHRONIC TOXICITY:	Damage of the heart		
SUB-CHRONIC TOXICITY	---		
MUTAGENICITY	No		
CARCINOGENICITY	No		
REPRODUCTION TOXICITY	No		

ECOLOGICAL INFORMATION

ELIMINATION INFORMATION (Biodegradability and bioaccumulation potential): The log K_{ow} values of 1.1 (Benzyl Alcohol)

Degradability according to law of wash and cleansing agent (WRMG): Not applicable

BEHAVIOR IN ENVIRONMENT COMPARTMENTS (BENZYL ALCOHOL):

FISH TOXICITY: Lidus LC50: 646 mg/L
DAPHNIA TOXICITY: Daphnia magna EC50:55 mg/L
ALGAE TOXICITY: Sc.quadricauda EC50:640mg/L/96h
BACTERIA TOXICITY: Ps.pudita EC50:658mg/L
BEHAVIOR IN SEWAGE PLANT: Not applicable

ADDITIONAL ECOLOGICAL INFORMATION:

Chemical oxygen demand (COD)
Biochemical oxygen demand (BOD5)
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: Do not allow entering waters, waste water or soil.

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: Benzyl Alcohol

RISK PHRASES: R20: Harmful by inhalation
R21: Harmful in contact with skin
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.
S25: Avoid contact with eyes.

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

WATER HAZARD CLASS: WGK 1