



ACME-HARDESTY  
A division of  
JACOB STERN & SONS, INC.  
- SINCE 1857 -

# Sharomix 721

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision Date: 05/26/2015

Supersedes: 09/06/2011

Version: 2.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Sharomix 721

**CAS No:** 100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5

**Synonyms:** Mixture of Benzyl alcohol, Benzoic Acid, Dehydroacetic Acid and Water

### 1.2. Intended Use of the Product

**Use of the substance/mixture:** Cosmetics, Personal Care products

### 1.3. Name, Address, and Telephone of the Responsible Party

#### Company

Acme-Hardesty Co  
450 Sentry Parkway  
Blue Bell, PA 19422  
T 866-226-3834 T 215-591-3610  
www.acme-hardesty.com

### 1.4. Emergency Telephone Number

**Emergency Number** : 800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### Classification (GHS-US)

Flam. Liq. 4	H227
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:dust,mist)	H332
Eye Irrit. 2A	H319
Aquatic Acute 2	H401

Full text of H-phrases: see section 16

### 2.2. Label Elements

#### GHS-US Labeling

##### Hazard Pictograms (GHS-US)

:



GHS07

##### Signal Word (GHS-US)

: Warning

##### Hazard Statements (GHS-US)

: H227 - Combustible liquid  
H302+H332 - Harmful if swallowed or if inhaled  
H319 - Causes serious eye irritation  
H401 - Toxic to aquatic life

##### Precautionary Statements (GHS-US)

: P210 - Keep away from heat, open flames, sparks. - No smoking.  
P261 - Avoid breathing mist, spray, vapors.  
P264 - Wash clothing thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P301+P312 - If swallowed: Call a POISON CENTER if you feel unwell.  
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes.

# Sharomix 721

## Safety Data Sheet

According to Federal Register/ Vol. 77, No. 58/ Monday, March 26, 2012/ Rules and Regulations

Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a doctor if you feel unwell.  
P330 - Rinse mouth.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P370+P378 - In case of fire: Use appropriate media to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards

No additional information available

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)
Benzyl alcohol	(CAS No) 100-51-6	85 - 89	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
Dehydroacetic acid	(CAS No) 520-45-6	7 - 9	Acute Tox. 4 (Oral), H302
Water	(CAS No) 7732-18-5	2 - 8	Not classified
2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, [2R-[2R*(4R*,8R*)]]-	(CAS No) 59-02-9	0.2	Not classified

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell.

### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms/Injuries:** Harmful if swallowed or if inhaled. Causes eye irritation.

**Symptoms/Injuries After Inhalation:** Sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

**Symptoms/Injuries After Skin Contact:** Contact during a long period may cause slight irritation.

**Symptoms/Injuries After Eye Contact:** Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Symptoms/Injuries After Ingestion:** Ingestion may cause nausea, vomiting and diarrhea.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Chemical type foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water fog. Use extinguishing media appropriate for surrounding fire.

# Sharomix 721

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Unsuitable Extinguishing Media:** Do not use water jet. A heavy water stream may spread burning liquid.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Combustible liquid.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Other Information:** Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Handle in accordance with good industrial hygiene and safety practice.

#### 6.1.1. For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain and collect spillages with non-combustible absorbent materials, e.g. Use only non-sparking tools.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely.

### 6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.

### 7.3. Specific End Use(s)

Cosmetics, Personal Care products

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

### 8.2. Exposure Controls

#### Appropriate Engineering Controls

: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use explosion-proof equipment. Gas detectors should be used when flammable gases or vapors may be released. Ensure all national/local regulations are observed.

#### Personal Protective Equipment

: Gloves. Protective goggles. Protective clothing.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics.

#### Hand Protection

: Wear chemically resistant protective gloves.

#### Eye Protection

: Chemical goggles or safety glasses.

# Sharomix 721

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Respiratory Protection** : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Other Information** : When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear; Yellow
Odor	: Characteristic
Odor Threshold	: No data available
pH	: No data available
Relative Evaporation Rate (butylacetate=1)	: No data available
Melting Point	: -15 °C (5 °F)
Freezing Point	: No data available
Boiling Point	: 205 °C (401 °F)
Flash Point	: 93 - 101 °C (199.4 - 213.8 °F) (Benzyl alcohol)
Auto-ignition Temperature	: 435 °C (815 °F)
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: 13 mbar (Benzyl alcohol)
Relative Vapor Density at 20 °C	: 3.72 (Benzyl alcohol)
Relative Density	: No data available
Specific Gravity	: 1.039-1.079 g/cm <sup>3</sup> @ 20°C
Solubility	: Water: 40 g/l (Benzyl alcohol)
Partition Coefficient: N-Octanol/Water	: 1.05 (Benzyl alcohol); 0.78 (3-acetyl-6-methyl-2H-pyran-2,4(3H)-dione)
Log Pow	: 0.78 (Benzyl alcohol)
Viscosity	: 6.6 mPa.s (Benzyl alcohol)
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: Not applicable
Lower Flammable Limit	: 1.3 %
Upper Flammable Limit	: 13 %

**9.2. Other Information** No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2 Chemical Stability:** Product is stable.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Protect from moisture. Sparks, heat, open flame and other sources of ignition.
- 10.5 Incompatible Materials:** Not available
- 10.6 Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). aldehydes, ketones.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information On Toxicological Effects

**Acute Toxicity** : Oral: Harmful if swallowed. Inhalation: dust, mist: Harmful if inhaled.

Sharomix 721 ( \f )100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5	
ATE (Oral)	1106.712 mg/kg body weight
ATE (Dust/Mist)	1.685 mg/l/4h
Benzyl alcohol (100-51-6)	
LD50 Oral Rat	1230 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg

# Sharomix 721

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

LC50 Inhalation Rat (mg/l)	> 4.178 mg/l/4h
ATE (Oral)	1230.000 mg/kg body weight
ATE (Gases)	4500.000 ppmV/4h
ATE (Vapors)	11.000 mg/l/4h
ATE (Dust/Mist)	1.500 mg/l/4h

<b>Dehydroacetic acid (520-45-6)</b>	
LD50 Oral Rat	500 mg/kg

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

<b>Sharomix 721 (100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5)</b>
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**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

<b>Sharomix 721 (100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5)</b>
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**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Potential Adverse Human Health Effects and Symptoms:** Harmful if swallowed.

**Symptoms/Injuries After Inhalation:** Sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

**Symptoms/Injuries After Skin Contact:** Contact during a long period may cause slight irritation.

**Symptoms/Injuries After Eye Contact:** Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Symptoms/Injuries After Ingestion:** Ingestion may cause nausea, vomiting and diarrhea.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General** : This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**Ecology - Water** : Toxic to aquatic life.

<b>Sharomix 721 (100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5)</b>
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<b>Benzyl alcohol (100-51-6)</b>	
LC50 Fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	23 mg/l (Exposure time: 48 h - Species: water flea)
LC 50 Fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
ErC50 (algae)	770 mg/l

### 12.2. Persistence and Degradability

<b>Sharomix 721 (100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5)</b>	
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<b>Persistence and Degradability</b>	Readily biodegradable.
<b>Biochemical Oxygen Demand (BOD)</b>	OECD 302C: 92-96 % (14d), OECD 301A: 95-97 % (21 d).

### 12.3. Bioaccumulative Potential

<b>Sharomix 721 (100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5)</b>	
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<b>Log Pow</b>	0.78 (Benzyl alcohol)
<b>Bioaccumulative Potential</b>	Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

<b>Benzyl alcohol (100-51-6)</b>	
<b>Log Pow</b>	1.1

### 12.4. Mobility in Soil

<b>Sharomix 721 (100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5)</b>	
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<b>Mobility In Soil</b>	Low potential for adsorption. Henry constant: 2.0E-7 atm*m <sup>3</sup> /mol (25 °C)
<b>Log Koc</b>	16 - 102

### 12.5. Other Adverse Effects

**Other Information** : Avoid release to the environment.

# Sharomix 721

## Safety Data Sheet

According to Federal Register/ Vol. 77, No. 58/ Monday, March 26, 2012/ Rules and Regulations

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

### SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/IMDG/DOT

#### 14.1. UN Number

**UN-No.(DOT)** : (Benzyl alcohol)  
**DOT NA no.** NA1993

#### 14.2. UN Proper Shipping Name

**Proper Shipping Name (DOT)** : Combustible liquid, n.o.s.  
**Transport hazard class(es) (DOT)** : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
**DOT Symbols** : D - Proper shipping name for domestic use only, G - Identifies PSN requiring a technical name  
**Packing Group (DOT)** : III - Minor Danger  
**DOT Special Provisions (49 CFR 172.102)** : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).  
T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / (1 + a (tr - tf))$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
**DOT Packaging Exceptions (49 CFR 173.xxx)** : 150  
**DOT Packaging Non Bulk (49 CFR 173.xxx)** : 203  
**DOT Packaging Bulk (49 CFR 173.xxx)** : 241  
**Marine pollutant** : P

#### 14.3. Additional Information

**Emergency Response Guide (ERG) Number** : 128  
**Other information** : No supplementary information available.

#### Transport by Sea

**DOT Vessel Stowage Location** : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

#### Air Transport

**DOT Quantity Limitations Passenger Aircraft/Rail (49 CFR 173.27)** : 60 L  
**DOT Quantity Limitations Cargo Aircraft Only (49 CFR 175.75)** : 220 L

### SECTION 15: REGULATORY INFORMATION

#### 15.1 US Federal Regulations

<b>Sharomix 721 (100-51-6; 65-85-0; 520-45-6; 59-02-9; 7732-18-5)</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Fire hazard Immediate (acute) health hazard
<b>Benzyl alcohol (100-51-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Dehydroacetic acid (520-45-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

# Sharomix 721

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, [2R-[2R*(4R*,8R*)]]- (59-02-9)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Water (7732-18-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2 US State Regulations

<b>Benzyl alcohol (100-51-6)</b>
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: OTHER INFORMATION

<b>Revision Date</b>	: 05/26/2015
<b>Indication of Changes</b>	: Revision date.
<b>Other Information</b>	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### GHS Full Text Phrases:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
H227	Combustible liquid
H302	Harmful if swallowed
H319	Causes serious eye irritation
H332	Harmful if inhaled
H401	Toxic to aquatic life

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, use and disposal 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 or container.

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