

# Material Safety Data Sheet



**PRODUCT NAME: SHAROMIX MCI II**

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: SHAROMIX MCI II  
DATE: April 30, 2012

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

Description: Preservative for cosmetics based on below mentioned active ingredients:

| DANGEROUS SUBSTANCE  | CAS-NO.   | CONTENT | SYMBOL  | R-PHR.               |
|--|---|---------|---------|----------------------|
| Mixture of<br>5-Chloro-2-methyl-4-isothiazolin-3-one<br>and<br>2-methyl- 2H-isothiazol-3-one (3:1) | 55965-84-9<br><br>Index number:<br>613-167-00-5 | 1.5 %   | T, C, N | 23/24/25-34-43-50/53 |

The CAS# of the single components are: CIT: 26172-55-4;  
MIT: 2682-20-4

## HAZARDS IDENTIFICATION

HAZARDS DESIGNATION: C: Corrosive

MAN/ ENVIRONMENT PARTICULAR DANGERS: R34: Causes burns  
R43: May cause sensitization by skin contact

RELEVANT TO HAZARDOUS INGREDIENTS: R23/24/25: Toxic by inhalation, skin contact and if swallowed.  
R34: Causes burns.  
R43: May cause sensitization by skin contact.  
R50/53: Very toxic to aquatic organisms  
May cause long-term adverse effects in the aquatic environment.

CLASSIFICATION SYSTEM:

The classification of health and environmental hazards is based on experimental and epidemiological data together with the conventional method according to Articles 6&7 of Directive 1999/45/EC.

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FIRST AID MEASURES

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|----------------------|--|
| GENERAL INFORMATION: | Remove contaminated soaked clothing immediately and dispose of safely  |
| INHALATION:          | Supply fresh air.<br>In the event of symptoms, refer for medical treatment.  |
| SKIN CONTACT:        | Remove contaminated clothing immediately.<br>Destroy or thoroughly clean contaminated shoes.<br>After skin contact, wash immediately with plenty of water and soap and rinse thoroughly.<br>Immediately seek medical treatment necessary.<br>Failure to treat burns can prevent wounds from healing<br>In case of extensive skin contact, immediately use safety shower. |
| EYE CONTACT:         | Rinse opened eye for at least 15 minutes under running water<br>Apply a sterile protective bandage.<br>Get medical attention   |
| INGESTION:           | Rinse mouth and drink plenty of water.<br>Do not induce vomiting.<br>Call for a physician immediately.<br>Bring vomiting person into recovery position.<br>Seek medical attention.   |
| DOCTOR INFORMATION.: |  |
| SYMPTOMS MAY OCCUR:  | Allergic skin reaction<br>Corrosive damage to gastro-intestinal tract may occur<br>Skin reaction like itching, reddening, blistering may appear after hours  |
| DANGER:              | If swallowed or in case of vomiting, hazard of entering the lungs (aspiration).<br>Danger of gastric perforation   |
| TREATMENT:           | Treat skin and mucous membrane with antihistamine and corticoid preparations.<br>If swallowed, gastric irrigation with activated carbon<br>Rinse eyes thoroughly with physiological saline   |

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FIRE FIGHTING MEASURES

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|------------------------------------|--|
| SUITABLE EXTINGUISHING MEDIA:      | Water spray jet, extinguishing powder, CO <sub>2</sub> , foam  |
| NON- SUITABLE EXTINGUISHING MEDIA: | None   |
| SPECIAL HAZARDS:                   | In case of fire, toxic incineration products may release such as:<br>Nitrogen oxides (Nox)<br>Carbon monoxide (CO) |
| PROTECTIVE EQUIPMENT:              | Wear a self-contained breathing apparatus  |
| ADDITIONAL INFORMATION:            | Collect contaminated fire-fighting water separately.<br>It must not enter drains                                   |

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### ACCIDENTAL RELEASE MEASURES

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- PERSONAL SAFETY PRECAUTIONS:** Wear protective clothing.  
Keep unprotected persons away.  
Protective suit with a complete/safe protection of skin and mucous membranes  
Impermeable protective clothes,  
Protective boots made of neoprene  
Complete face protection  
Nitrile-rubber-gloves with long tops
- ENVIRONMENTAL PROTECTION:** Prevent from reaching surface water as it is hazardous for the aquatic environment  
Prevent from spreading (e.g. by enclosing with a ring of chemical absorbent).  
Inform authorities in case of contamination of water or sewage system.
- CLEANING/COLLECTING MEASURES:** Collect large amounts in suitable container.  
Cover the rest with absorbent, mix intensively and collect mechanically.  
Dispose of contaminated material as waste according to Disposal Consideration.  
Suitable binder: multi-purpose absorbent.  
Provide adequate ventilation at the workspace.  
Polluted surfaces can be decontaminated with a solution containing 5% sodium bisulfite and 5% sodium bicarbonate.  
In case a spill drains to the sewer, collect contaminated water in suitable container and add 10% sodium bisulfite solution.  
Contact supplier for further instructions.

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### HANDLING AND STORAGE

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- SAFE HANDLING:** Ensure good exhaust ventilation at the workspace.  
It is preferable to handle the product in closed system.  
Prevent contamination of the inhaled air by heating up the product or forming aerosols.  
Decant carefully, avoid splashes.  
Compliance with the minimum requirements designed to guarantee a better standard of safety and health at work is essential to ensure the safety and health of workers.
- STORAGE ROOMS/CONTAINERS:** Store only in original container.
- STORAGE COMPATIBILITY:** Store away from foodstuff.
- ADDITIONAL INFORMATION:** Keep container tightly sealed.  
Keep away from sources of ignition and heat.  
Prevent release to the environment by adequate secondary containment design and use of appropriate spill control procedures

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EXPOSURE CONTROLS / PERSONAL PROTECTION

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ADDITIONAL DESIGN OF TECHNICAL SYSTEMS INFORMATION: No further data

RESPIRATORY PROTECTION: Respiratory protection is recommended in example substance concentrations exceeding the air limiting value. Filter A/P2.

HAND PROTECTION: Chemical protective gloves according to DIN EN 374 with CE-labeling.  
Check condition of protective gloves after use for any damages like holes, cuts or tears.  
Do not wear protective gloves longer than necessary.  
After use of gloves, apply skin-cleaning agents and skin cosmetics.  
Material of gloves: Nitrile rubber, NBR.  
Penetration time depends on different criteria, may be determined by the manufacturer according to the standard DIN EN 374-3.  
Unsuitable gloves are made of the following materials: Leather gloves or gloves for mechanical protection do not provide protection against chemicals.

EYE PROTECTION: Face shield

SKIN PROTECTION: Impervious protective clothing  
Protective clothing  
Apron  
Full head, face and neck protection.

GENERAL PROTECTIVE MEASURES: Use skin cream for skin protection.  
Avoid contacts with eyes and skin.

HYGIENE MEASURES: Wash hands during work breaks and at the end of the shift.  
Provide skin protection plan.

RISK MANAGEMENT MEASURES: The operators shall be instructed adequately.  
Workplace shall be inspected regularly by competent personnel e.g. safety representative.

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PHYSICAL AND CHEMICAL PROPERTIES

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FORM: Liquid  
COLOR: Colorless to slightly yellowish  
ODOR: Mild  
pH VALUE @ 20°C: 2 – 4  
MELTING POINT, °C: ---  
BOILING POINT, °C: ca. 100°C  
FLASH POINT, °C: Not applicable  
DANGER OF EXPLOSION: Product is not explosive  
SELF-INFLAMMABILITY: Product is not self-igniting  
VAPOR PRESSURE @ 20°C: 23 hPa  
DENSITY @ 20°C: 1.010 – 1.040 g/cm<sup>3</sup>  
SOLUBILITY IN/MISCIBILITY WITH WATER: Fully miscible

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STABILITY AND REACTIVITY

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CONDITIONS TO AVOID: Before handling, the product should not be diluted or mixed with other chemicals, in order to avoid any negative influences on the active ingredient(s).

MATERIALS TO AVOID: Nucleophils, Reducing agents, Strong oxidizing agents, Alkalis

DANGEROUS REACTIONS: Corrosive action on metals possible.

DANGEROUS DECOMPOSITION PRODUCTS: None, if storage and handling is done according to specification

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TOXICOLOGICAL INFORMATION

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|   | <u>DIMENSION</u>  | <u>SPECIES</u> | <u>VALUE</u> : |
|---|---|----------------|----------------|
| ACUTE ORAL TOXICITY                         | LC50  | Rat            | 4,467 mg/kg    |
| ACUTE DERMAL TOXICITY                       | LD50  | Rat            | > 5,000 mg/kg  |
| IRRITANT EFFECT ON SKIN                     | Caustic effect on skin and mucous membranes   |                |                |
| IRRITANT EFFECT ON EYE                      | Strong caustic effect   |                |                |
| SKIN SENSITIZATION                          | Sensitization possible by skin contact  |                |                |
| SUB-ACUTE TOXICITY                          | Non-mutagenic (Ames test OECD 471: in vitro genmutation in bacteria),<br>Non-teratogenic (OECD 414/ EPA 83-3 a) |                |                |
| OTHER INFO.(about experimental toxicology): | The toxicological data were determined on similar products that are not subject to the Cosmetics Directive.     |                |                |

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ECOLOGICAL INFORMATION

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INFORMATION ABOUT ELIMINATION (PERSISTENCE AND DEGRADABILITY):

|                        |   |
|------------------------|---|
| METHOD:                | OECD 301 D (Closed-Bottle Test)   |
| ANALYZING METHOD:      | Oxygen demand   |
| DEGREE OF ELIMINATION: | The product ingredients can be readily eliminated in the sewage system. |

BIODEGRADABILITY: The components are readily biodegradable  
Degree of biological degradability: >60%

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

MOBILITY AND BIOACCUMULATION POTENTIAL: Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.  
log Kow -0.71- +0.75; CIT/MIT

ECOTOXICOLOGICAL EFFECTS / AQUATIC TOXICITY:

|             |                                     |
|-------------|-------------------------------------|
| EC50 / 48 h | 8 mg/l (Daphnia)                    |
| EC50 / 72 h | 1.67 mg/l (Senastrum capricornutum) |
| LC50 / 96 h | 14.8 mg/l (Rainbow trout)           |

SEWAGE PROCESSING PLANTS BEHAVIOR:

(55965-84-9 mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one (3:1))

EC50 7.9 mg/l (Activated Sludge) OECD 209

REMARK: Depending on concentration, toxic effects on activated sludge organisms are possible.

AOX-INDICATION: Can affect the AOX-value of the effluent water.  
The active ingredient is not persistent, it is degraded by separation of chlorine atom

HEAVY METALS/COMPOUNDS PRESENT ACCORDING TO DIRECTIVE 2006/11/EC: None

GENERAL INFORMATION: The product contains materials that are harmful to the environment.  
Avoid transfer into the environment.

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DISPOSAL CONSIDERATIONS

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PRODUCT RECOMMENDATION: 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

CONTAMINATED PACKAGING: Remove all products from packaging and clean thoroughly before recycling.

RECOMMENDED CLEANING AGENT: Water, if necessary, with cleaning agent

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TRANSPORT INFORMATION

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LAND TRANSPORT ADR/RID (cross-border domestic):

ADR/RID ADG (Australia) CLASS: 8 (C3) Corrosive substances  
Kemler Number: 80  
UN-Number: 3265  
Packaging Group: III  
Label: 8  
Tunnel Restriction Code: E  
Designation of Goods: 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S  
(Mixture containing 5-Chloro-2-methyl-2H-isothiazolin-3-one and 2-Methyl-2H-isothiazolin-3-one (3:1))

MARINE TRANSPORT IMDG:

IMDG Class: 8  
UN-Number: 3265  
Packaging Group: III  
Label: 8  
EmS Number: F-A, S-B  
Marine Pollutant: No  
Segregation Groups: Acids  
Correct Technical Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S  
(Mixture containing 5-Chloro-2-methyl-2H-isothiazolin-3-one and 2-Methyl-2H-isothiazolin-3-one (3:1))

AIR TRANSPORT ICAO-TI AND IATA-DGR

ICAO/IATA Class: 8  
UN-Number: 3265  
Packaging Group: III  
Label: 8  
Correct Technical Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S  
(Mixture containing 5-Chloro-2-methyl-2H-isothiazolin-3-one and 2-Methyl-2H-isothiazolin-3-one (3:1))

REMARKS:

Packing instructions / Max. net weight:  
Passenger aircraft: 818 / 5 L  
Cargo aircraft: 820 / 60 L

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REGULATORY INFORMATION

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DESIGNATION ACCORDING TO EC GUIDELINES: The product has been classified and labeled in accordance with EC Directives / UK CHIP Regulations.

CODE /HAZARD: C: Corrosive

RISK PHRASES: R34: Causes burns  
R43: May cause sensitization by skin contact

SAFETY PHRASES: S26: In case of contact with eyes, rinse immediately with plenty of water  
Seek medical advice  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection  
S45: In case of accident or if you feel unwell, seek medical advice immediately  
(show the label where possible)  
S60: This material and its container must be disposed of as hazardous waste  
S61: This material and its container must be disposed of as hazardous waste

NATIONAL REGULATIONS:

LIMITATION OF USE: Take note of Directive 94/33/EC on the protection of young people at work  
Take note of Directive 92/85/EC on the safety and health of pregnant women at work.

REGULATIONS IN EVENT OF ACCIDENT:

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

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ADDITIONAL INFORMATION

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R-PHRASES RELEVANT TO THE PRODUCT'S HAZARDOUS INGREDIENTS:

RISK PHRASES: R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.  
R34: Causes burns.  
R43 May cause sensitization by skin contact.  
R50/53 Very toxic to aquatic organisms  
May cause long-term adverse effects in the aquatic environment.

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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.