



MATERIAL SAFETY DATA SHEET

Effective Date: 10/01/2008

Product: PolySāf™ 5600

1. Chemical Product and Company Identification

Product name: PolySāf™ 5600

Chemical product name: Synthetic Polymer

Product code: none

Manufacturer Name:

Mallard Creek Polymers, Inc.
14800 Mallard Creek Rd
Charlotte, NC 28262

Information Contact:

Rob Beyersdorf
Mallard Creek Polymers
14800 Mallard Creek Rd
Charlotte, NC 28262
1-704-547-0622 Ext 1006

HMIS

Health:	1
Flammability:	1
Reactivity:	0
Personal Protection:	

Emergency phone number:

1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

NFPA

Health:	1
Flammability:	1
Reactivity:	0

2. Composition / information or ingredients

Cosmetic Ingredient, For experimental use only.

INCI Name: Butyl Acrylate/Ethyltrimonium Chloride Methacrylate/Styrene Copolymer

Chemical name:

	CAS No.	% by Wt.
1) Synthetic Polymer	N/A	39.0 - 41.0%
2) 2-Methyl-4-isothiazolin-3-one	2682-20-4	0.005 Max.
3) Water	7732-18-5	61.0- 59.0%

Additional Information

Refer to Section 8 for exposure guidelines and Section 15 for regulatory information.

3. Hazards identification

Emergency Overview

The health hazards of this product should be low under normal industrial and commercial uses.

Potential Health Effects:

EYES: Contact may cause eye irritation.

SKIN: Prolonged or repeated contact may cause skin irritation

INHALATION: Polymer is not hazardous. Inhalation of vapor or mist can cause the following: irritation of the eyes, nose, throat, and lungs.

INGESTION: Ingestion is not considered a potential route of exposure. If swallowed, give 2 glasses of water to drink. Consult a physician.

4. First-aid measures

First-Aid measures

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT: Wash skin with soap and water. Get medical attention if irritation develops or persists.

INHALATION FIRST: If exposed to excessive levels of fumes, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention. With good ventilation, single exposure to vapors is not likely to be hazardous.

INGESTION: Ingestion is not considered a potential route of exposure. If swallowed, immediately give 2 glasses of water. Get medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel.

5. Fire-fighting measures

PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

FIRE & EXPLOSION HAZARDS:

Heating above 200°C or in fire conditions toxic decomposition products may be formed. Material can splatter above 100C/212F. Polymer film can burn.

FIRE FIGHTING INSTRUCTIONS:

Avoid breathing smoke, fumes, and decomposition products. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal Precautions:

Splash goggles and gloves. Avoid unnecessary exposure and contact.

Environmental Precautions

And Clean-up Methods:

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Avoid run-off into sewers, ditches or waterways. Dike and contain spill. Do not allow material to enter soil or surface water.

7. Handling and storage

RECOMMENDED STORAGE TEMPERATURE

Minimum: 1.0 C (33.8 F)

Maximum: 49.0 C (120.2 F)

HANDLING (PERSONNEL):

Monomer vapors can be evolved when material is heated during processing operations. Avoid prolonged skin contact.

HANDLING (PHYSICAL ASPECTS):

Keep from freezing. Do not store at temperatures above 49°C. Avoid temperatures above 200°C.

STORAGE PRECAUTIONS:

Keep from freezing. Store in a cool place in original container. Keep container closed when not in use.

8. Exposure Controls, Personal Protection**ENGINEERING CONTROLS:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Good general ventilation should be sufficient to control airborne levels of irritating vapors.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, eye protection with side shields is recommended.

SKIN PROTECTION REQUIREMENTS:

Selection of specific items such as gloves, Nitrile rubber, Neoprene and PVC are suitable protective materials.

RESPIRATORY PROTECTION REQUIREMENTS:

Respiratory protection is not generally required during normal use and handling.

EXPOSURE GUIDELINES:

There are no exposure limits assigned to the polymer in this product by the Occupational Safety and Health Administration (OSHA) or American Conference of Governmental Industrial Hygienists (ACGIH).

9. Physical and chemical properties

Physical state:	Liquid
Color:	White, milky
Odor:	Slight, odor
Boiling Point:	100C at 17mm Hg
Melting Point:	0°C
Vapor Density:	<1 (Air = 1)
Vapor Pressure:	17mm Hg @ 20C
Solubility in water:	Miscible
Specific Gravity:	.98 – 1.04
pH:	4.0 – 6.0

10. Stability and reactivity**STABILITY:**

Materials containing similar structural groups are normally stable.

POLYMERIZATION:

This material is considered stable. Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Rapid addition of large amounts of anionic surfactant to the product without adequate dilution or mixing may cause instability.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly. Avoid temperatures above 177°C/350°F, the onset of polymer decomposition. Toxic decomposition products may be formed.

11. Toxicological information

Skin: Based on properties of similar polymers, the polymer is not hazardous.

Ingestion: Based on properties of similar polymers, the polymer is not hazardous.

Inhalation: : Based on properties of similar polymers, the polymer is not hazardous.

12. Ecological information

Persistence/degradability: Ecological information has not been determined for substance

Latex dispersions will color water a milky white. No bioconcentration of the polymeric component is expected because of its high molecular weight

13. Disposal considerations

Disposal / product:

Waste must be disposed in accordance with federal, state and local environmental control regulations.

Waste code:

Not a RCRA Hazardous Waste when discarded in its purchased form.

Disposal / contaminated packaging:

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

14. Transport information

Department of Transportation (DOT) – US

This product is not regulated by D.O.T. when shipped domestically by land.

Transportation of Dangerous Goods (TDG) – Canada

This product is not regulated by TDG when shipped domestically by land.

15. Regulatory information

TSCA Section 8(b) - Inventory Status: Not regulated. This material is transmitted to you solely for use as a cosmetic ingredient, for R&D purposes and may not be used, processed or distributed for commercial purposes.

This material or all of its components are NOT listed on the Canadian Domestic Substances List (DSL).

Workplace Hazardous Materials Information System (WHMIS) - Canada: This material is not classified as a controlled product under the Canadian Workplace Hazardous Material Information System.

SARA, Title III, Section 313, Under definitions, This product does not meet any hazardous category.

SARA Title III Section 313 Toxic Chemical List (TCL): To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

Occupational Safety and Health Act (OSHA): This material is not classified as hazardous under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

16. Other information

HISTORY

Date of issue: 10/01/2008

Version: 1

This material is intended for use as a cosmetic ingredient only

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.