

Surface Specialties, Inc., BU Melamines

A Responsible Care® Company

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: RESIMENE® CE-7103 Amino crosslinker resin

Reference Number: 000000000739

Date: 09/17/2004

Company Information:

United States:

Surface Specialties, Inc., BU Melamines
1950 Lake Park Drive
Smyrna, GA 30080
Emergency telephone: Chemtrec: 1-800-424-9300
Non-Emergency telephone: 1-413-730-2259

Canada:

Surface Specialties, Inc., BU Melamines
1950 Lake Park Drive
Smyrna, GA 30080
Emergency telephone: CANUTEC: 1-613-996-6666
Non-Emergency telephone: 1-413-730-2259

Mexico:

Surface Specialties, Inc., BU Melamines
1950 Lake Park Drive
Smyrna, GA 30080, USA
Emergency telephone: SETIQ: (in Mexico) 01-800-002-1400
Non-Emergency telephone: (USA) +1-413-730-2259

Brazil:

Surface Specialties, Inc., BU Melamines
1950 Lake Park Drive
Smyrna, GA 30080, USA
Emergency telephone: 0800 193-190
Non-Emergency telephone: (USA) +1-413-730-2259

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS No.</u>	<u>Average concentration</u>	<u>Concentration range</u>	<u>Units (wt./wt.)</u>
methylated, butylated melamine formaldehyde resin	68036-97-5		>98.0	%
formaldehyde	50-00-0	0.05	<0.1	%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Form: semi-viscous, liquid
Colour: clear to colourless
Odour: amines

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection:	Wear chemical goggles. Have eye wash facilities immediately available at any location where eye contact can occur.
Hand protection:	Wear chemical resistant gloves. Consult the glove/clothing manufacturer to determine the appropriate type glove/clothing for a given application.
Body protection:	Wear suitable protective clothing. Wear full protective clothing if exposed to splashes. Consult the glove/clothing manufacturer to determine the appropriate type glove/clothing for a given application. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Have safety shower available at locations where skin contact can occur. Wash thoroughly after handling. Attention! Repeated or prolonged contact may cause allergic skin reaction in some people.
Respiratory protection:	Avoid breathing vapour or mist. Use approved respiratory protection equipment (full facepiece recommended) when airborne exposure limits are exceeded. If used, full facepiece replaces the need for face shield and/or chemical goggles. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.
Ventilation:	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits. If practical, use local mechanical exhaust ventilation at sources of air contamination such as processing equipment.
Airborne exposure limits:	(ml/m ³ = ppm)
RESIMENE® CE-7103 formaldehyde	No specific occupational exposure limit has been established. ACGIH TLV: 0.3 ml/m ³ ; 0.37 mg/m ³ ; ; ceiling A2: The ACGIH has designated this component as an "A2" substance, thereby including it among industrial substances suspect of carcinogenic potential for man. Worker exposure by all routes should be carefully controlled. The ACGIH has designated this component as having confirmed potential for worker sensitization as a result of either dermal contact or inhalation exposure based on the weight of scientific evidence. OSHA PEL: 0.75 ml/m ³ ; ; 8-hr TWA OSHA PEL: 2 ml/m ³ ; ; 15-min STEL Mexican OEL: 2 ml/m ³ ; 3 mg/m ³ ; ; ceiling

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Density:	1.15 - 1.18 g/cm ³
pH:	7.0
Water solubility:	insoluble
Solubility in other solvents:	soluble in most alcohols, aromatic hydrocarbons and ketones; limited solubility in paraffins

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Conditions to avoid:	Do not expose to extreme temperatures. All sources of ignition.
Materials to avoid - Hazardous reactions:	None known Hazardous polymerization does not occur.
Hazardous decomposition products:	formaldehyde; methanol; carbon monoxide (CO); nitrogenous products

11. TOXICOLOGICAL INFORMATION

Surface Specialties has not conducted toxicity studies on this material and no toxicological information was obtained in a reasonably extensive search of the available scientific literature. Results of single exposure (acute) toxicity studies conducted on similar materials indicate that these products are practically nontoxic orally (rats) and after skin application (rabbits). These products are practically non irritating to rabbit skin and are practically non irritating to slightly irritating to rabbit eyes.

Components

Data from Surface Specialties' studies and/or the available scientific literature on the components of this material which have been identified as hazardous chemicals under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200) or the Canadian Hazardous Products Act are discussed below.

formaldehyde	Corrosive to eyes. Can produce severe eye damage leading to loss of sight. Highly irritating to skin. Repeated contact can produce numbness. Repeated skin application produces skin allergy. Causes burning of the nose and throat. Causes digestive tract injury if swallowed. Inhalation may result in nausea, vomiting and diarrhea. Can trigger asthma attacks in susceptible individuals. Slightly to moderately toxic following oral administration.
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Moderately toxic after skin application in animal studies.
Repeated inhalation exposure produced multiple systemic effects.
This material produced tumours in laboratory animals.
The weight of the evidence indicates that this material is mutagenic.
Listed by the National Toxicology Program (NTP) as a substance that may reasonably be anticipated to be a carcinogen and is classified as a "known human carcinogen" by the International Agency for Research on Cancer (IARC).

12. ECOLOGICAL INFORMATION

Surface Specialties has not conducted environmental toxicity or biodegradation studies with this material.

13. DISPOSAL CONSIDERATIONS

US EPA RCRA Status: This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261.

Disposal considerations: Incineration
Recycle

Miscellaneous advice: Local, state, provincial, and national disposal regulations may be more or less stringent. Consult your attorney or appropriate regulatory officials for information on such disposal.
This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

US DOT

Other: NOT REGULATED FOR TRANSPORT.

Canadian TDG

Other: NOT REGULATED FOR TRANSPORT.

15. REGULATORY INFORMATION

All components are in compliance with the following inventories: U.S. TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Phillipine PICCS, Chinese

Other chemical inventory information: The polymer contained within this product is exempt from listing in the European Inventory. The monomers used to manufacture this polymer are listed as required, as are all other components of this product.

Canadian WHMIS classification: D2(A) - Materials Causing Other Toxic Effects

D2(B) - Materials Causing Other Toxic Effects

SARA Hazard Notification:

Hazard Categories Under Title III Rules (40 CFR 370):	Immediate Delayed
Section 302 Extremely Hazardous Substances:	formaldehyde
Section 313 Toxic Chemical(s):	formaldehyde

CERCLA Reportable Quantity:

100 lbs formaldehyde

For this/these chemicals, release of more than the Reportable Quantity to the environment in a 24 hour period requires notification to the National Response Center (800-424-8802 or 202-426-2675).

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation and the MSDS contains all the information required by the Canadian Controlled Products Regulation.

Refer to Section 11 for OSHA/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

Safety data sheet also created in accordance with Brazilian law NBR 14725

16. OTHER INFORMATION

Product use: Coating agent

Reason for revision: Significant changes to the following section(s):, Section 11

	Health	Fire	Reactivity	Additional Information
Suggested NFPA Rating	2	1	0	
Suggested HMIS Rating:	2	1	0	H

Prepared by the Surface Specialties, Inc., BU Melamines Product Stewardship Group. Please consult Surface Specialties, Inc., BU Melamines @ 1-413-730-2259 if further information is needed. See page header for date of preparation.

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