

**SOVEREIGN CHEMICAL COMPANY**

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Material Safety Data Sheet

Ribetak 7559 Pastilles

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer: SI Group 2750 Balltown Road Schenectady NY 12301	Emergency Contact : Chemtrec: 1-800-424-9300 (continental USA) (1)703-527-3887 (outside continental USA)
Trade Name(s): Ribetak 7559 Pastilles	MSDS Number: 1084
Chemical Name: Thermoplastic resin formed from the condensation reaction between phenol, nonylphenol and formaldehyde	Synonyms: Phenolic resin, Phenol nonylphenol formaldehyde resin
Prepared By: Sovereign Chemical Company	Date of Issue: May 15, 2009 Revision Number: 10 (supersedes August 28, 2000) Change(s): 3 year update

2. INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>Percent</u>	<u>ACGIH (TWA)</u>	<u>OSHA (TWA)</u>	<u>NIOSH (15 min)</u>	<u>NIOSH (IDLH)</u>
Thermoplastic resin formed from the condensation reaction between phenol, nonylphenol and formaldehyde	37238-34-9	> 99	NE	NE	NE	NE
Phenol	108-95-2	< 1	5 ppm (skin)	5 ppm (skin)	15.6 ppm	250 ppm

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Brown pastilles. Use appropriate personal protective equipment. During fire situations, irritating and toxic gases such as phenol, formaldehyde and oxides of carbon may be generated. Keep from entering storm or sanitary sewers, ground water, or soil. Avoid contact with skin/eyes and inhalation of dust.

HMIS: Health - 1; Fire - 0; Reactivity - 0; Protection* – E (safety glasses, gloves, dust mask)

*This is recommended personal protection equipment, final personal protection equipment should be determined by the plant safety department based on the actual conditions under which the product is used.

Potential Health Effects:

Eye: Possible transitory irritation due to dust.

Skin Contact: May cause irritation.

Ingestion: Not expected to be a primary route of entry. Non-toxic.

Inhalation: Possible temporary irritation of mucous membranes if exposure is prolonged.

Carcinogenicity: No NTP materials. IARC - yes (phenol <1%). Phenols is listed on the SARA Title III, Section 313 Toxic Chemical List.

4. **FIRST AID MEASURES**

Skin: Remove contaminated clothing and wash the exposed skin with large amounts of water. See a physician if irritation persists.

Eye: Immediately flush eyes with flowing water for at least 15 minutes. See a physician if irritation persists.

Ingestion: Consult a doctor if irritation persists.

Inhalation: If dust inhalation is prolonged, wash nasal passages with water.

5. **FIRE FIGHTING MEASURES**

Flash Point: ND **LEL:** ND **UEL:** ND **Auto Ignition Temperature:** ND

Use water spray, dry chemical, regular foam or carbon dioxide to extinguish fires. In the event of fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece, operated in the positive pressure mode. During fire situations, irritating and toxic gases such as phenol, formaldehyde and oxides of carbon may be generated. Pastilles present no special fire or explosion hazard; however, dust generated during handling or storage can create explosive mixtures in the air.

6. **ACCIDENTAL RELEASE MEASURES**

Clean spills in a manner that does not disperse dust into the air, preferably a wet-down procedure or vacuum. Use non-sparking tools. Individuals involved in the cleanup should wear appropriate personal protective equipment. See Section 8. Unnecessary personnel should be kept clear of the area. Clean spills in a manner that does not disperse dust into the air, preferably a wet-down procedure or vacuum. Use non-sparking tools. Recovered material can be incinerated in a furnace where permitted, observing all local, state and federal regulations. Avoid contact with skin/eyes and inhalation of dust.

7. **HANDLING AND STORAGE**

Storage Conditions: Do not store near acids, strong oxidizing agents open flames or at high temperatures. Store protected from heat, sun and weather. Keep original packaging away from humidity.

Handling: Good housekeeping and engineering practices should be employed to prevent the generation and accumulation of dusts. Avoid dispersion of dust into air to reduce potential explosion hazard. Eliminate ignition sources. Avoid contact with skin/eyes and inhalation of dust. Individuals handling this product should wear personal protective equipment specified in Section 8. Plant environment should include controls and equipment specified in Section 8.

8. **EXPOSURE CONTROL - PERSONAL PROTECTION**

Engineering Controls: Local exhaust ventilation should be provided. Design details for local exhaust ventilation systems may be found in the latest edition of "Industrial Ventilation: A Manual of Recommended Practices" published by the ACGIH Committee on Industrial Ventilation, P.O. Box 16153, Lansing, MI 48910. The need for local exhaust ventilation should be evaluated by a professional industrial hygienist. Local exhaust ventilation systems should be designed by a professional engineer.

Respiratory Protection: Wear a dust mask if exposure levels exceeds those specified in Section 2.

Eye Protection: Safety glasses with side shields are recommended for any type of handling. Dust-tight goggles are recommended for dusty operations of areas where vapors accumulate.

Protection Gloves: Gloves impervious to dust or vapor

Other Protection Items: Neoprene or nitrile rubber coated apron or other body covering may be required if there is a possibility of regular work clothing becoming contaminated with the product. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical State: Brown pastilles.	Melt Point: 90 - 105°C (194 - 221°F) (Ring & Ball Method)
Vapor Density (Air = 1): NA	Octanol/Water Partition Coefficient: NE
Vapor Pressure: NA	Evaporation Rate BuOAC = 1: NA
Odor: None	Specific Gravity: 1.0
% Volatile by Volume: NA	Boiling Point: NA

% Solubility (H₂O) : Insoluble and not miscible	pH: NA
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10. STABILITY AND REACTIVITY

Stability /Polymerization: Stable at normal storage and handling temperatures.

Incompatibility (conditions to avoid): Acids and strong oxidizing agents

Hazardous Decomposition Products: Phenol and derivatives formaldehyde.

Special Sensitivity: None that are known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ingestion: non-harmful

Local Effects:

Inhalation: Possible temporary irritation of respiratory tract.

Eye-contact: Possible temporary irritation due to dust (physical effect of dust).

Mucous membran-contact: Transitory irritation possible due to dust.

No NTP materials. IARC - yes (phenol <1%). Phenols is listed on the SARA Title III, Section 313 Toxic Chemical List.

12. ECOLOGICAL INFORMATION

Mobility:

In water: Not soluble.

Persistence and degradability: Not degradable.

Ecotoxicity: Do not discharge waste into natural water courses or sewers.

13. DISPOSAL CONSIDERATIONS

Product, all product residues and packaging should be disposed of in an EPA approved incinerator or landfill in accordance with all local, state, and/or federal regulations.

14. TRANSPORTATION INFORMATION

US DOT, Canada TDG, RID/ADR, IMDG, IATA: Not regulated.

15. REGULATORY INFORMATION

SARA Hazard Classification:

Immediate (Acute) Health: yes

Delayed (Chronic) Health: yes

Sudden Release of Pressure: no

Reactive: no

Fire: no

CERCLA/RCRA: Main ingredients not listed.

Clean Air Act: Main ingredients not listed.

SARA Title III, Section 302: This product contains: 108-95-2 PHENOL which is listed on the Extremely Hazardous Substance List, Section 302, SARA Title III.

SARA Title III, Section 313: This product contains: 108-95-2 PHENOL which is listed on the Toxic Chemical List, Section 313, SARA Title III.

California Proposition 65: This product does not contain any chemicals currently on the California List of known Carcinogens and Reproductive Toxins.

Canadian Non-domestic Substance List: yes

TSCA Inventory Status: All ingredients of this product are listed on the TSCA Inventory

16. OTHER INFORMATION

NE = Not Established
NA = Not Applicable
ND = Not Determined

Information contained in this MSDS sheet have been gathered from the following documents:

Chemical REG-A-DEX, J.J.Keller, March 2000
WHMIS Compliance Manual, Carswell, April 2000
Transportation of Dangerous Good, J.J.Keller, February 2000
Code of Federal Regulations, Transportation, 49 CFR Parts 100 to 185, October 1998
NIOSH Pocket Guide to Chemical Hazards, June 1997
ACGIH Threshold Limit Values, 1999
HMIS Implementation Manual, 2nd Edition
Toxicity and Safe Handling of Rubber Chemicals, BRMA, 3rd Edition
ChemCheck Handbook, Specialty Technical Publishers, March 2000
IARC WEB site
NTP WEB site

IMPORTANT SAFETY NOTICE: The information in the Material Safety Data Sheet relates only to the specific material(s) described herein and does not relate to use in combination with any other material or substance or in any process. We believe that the information contained herein is current as of the date of issue of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of this product are not within the control of Sovereign Chemical Company, it is the user's obligation to determine the conditions of safe use of the product.

Users of this product should study this Material Safety Data Sheet and become aware of the product hazards and safety information before using the product. Users should also notify their employees, agents, and contractors of the information on this Material Safety Data Sheet and any product hazards and safety information in order to provide safe use of this product.

Sovereign Chemical Company
1225 West Market Street
Akron, OH 44313

Dear Customer:

Section 313 of SARA Title III (also known as the Emergency Planning and Community Right to Know Act, or EPCRA) require certain suppliers of mixtures or tradename products to notify their customers when such mixtures or tradename products contain chemicals listed in Section 313. This letter constitutes a supplier notification that the following product you ordered contains one or more chemicals on the Section 313 list (*) as noted below:

Product Name:	Ribetak 7559	
Chemical Name (*)	CAS #	% Composition
Phenol	108-95-2	<1%

In addition, an MSDS for this product is enclosed for your use.

If you are a distributor and you sell this product to another customer (s), you are required under Section 313 to furnish the same information and MSDS to that customer (s).

If you have any questions, please do not hesitate to contact the Technical Department at 330-869-0500.

Sovereign Chemical Company