

Safety Data Sheet

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1. IDENTIFICATION

Product: Rath Kerathin Duracoat PNs: 970292.901, 970284.901, 935034.901	MSDS #: 901511.001
Product Use: For laboratory use only.	Date: Rev C, August 20, 2013

2. HAZARDS IDENTIFICATION:

Classification & labeling according to GHS and Table 3.1 Annex VI of regulation 1272/2008/EU, as amended:
 Serious eye damage/eye irritation, Category 2: Causes serious eye irritation.



GHS/CLP Label Elements: Pictogram(s): Signal Word(s): Warning. Hazard statement(s): Causes serious eye irritation.
 Precautionary statements(s): Avoid contact with eyes and skin.

The small quantities supplied in our products are unlikely to cause severe or immediate health effects. Use only as directed and in accordance with safe laboratory practices.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

CHEMICAL INGREDIENT NAME	CAS NUMBER	EC NUMBER	% by Weight	EXPOSURE LIMITS		
				OSHA	ACGIH	EU IOELV
Boron Nitride	10043-11-5	233-136-6	10-15	NA	NA	10 ppm: 15 ppm STEL
Potassium Silicate	1312-76-1	215-199-1	15-20	NA	NA	NA
Diethylene Glycol Monobutyl Ether	112-34-5	203-961-6	3-5	NA	10 ppm	10 ppm; 15 ppm STEL
Graphite	7782-42-5	231-955-3	1-2	15 mg/m ³	2 mg/m ³	NA
Acrylic Copolymer	NA	NA	2-5	NA	NA	NA
Water	NA	NA	53-70	NA	NA	NA

Notes: Nearly odorless gray, non-flammable, water based paint. Used in differential scanning calorimeter component assemblies.
 Exposure Limits are 8-Hour TWA. (Time Weighted Average) unless designated C (Ceiling) or STEL (Short Term Exposure Limit).

4. FIRST AID MEASURES:

Inhalation: Remove to fresh air.
Skin Contact: Flush with water.
Eye Contact: Immediately flush with water for a minimum of 15 minutes.
Ingestion: Get medical attention.

After following first aid measures, seek medical attention.

5. FIRE-FIGHTING MEASURES:

Flammable Properties: Not flammable.
Extinguishing Media: Dry chemical, carbon dioxide or appropriate foam.
Unique Aspects Contributing To a Fire: None.
Special Fire Fighting Procedures: None.
Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES: Due to small quantities involved, spills or leaks should not pose a significant problem. Absorb liquid with spill pillow or other absorbent. Place wastes into closed containers for proper disposal.

7. HANDLING AND STORAGE: Handle as directed and in accordance with safe laboratory practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Handle in accordance with safe laboratory practices.

Respiratory Protection: Not normally needed. If exposure limits are exceeded, use approved respirator.
Eye Protection: Splash goggles or safety glasses with side protection.
Skin Protection: Neoprene or other chemical resistant gloves. Disposable nitrile are acceptable for light intermittent exposure.
Engineering Controls: Work in a fume hood or use general or other local exhaust ventilation to meet Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Gray liquid

Physical State: Liquid	Flash Point: NA	Vapor Pressure: 10 – 20 mm Hg
Odor: Nearly odorless	Explosion Limits: NA	Vapor Density (air=1): NA
pH: 10	Boiling Point: ~ 212° F (100°C)	Solubility in Water: Dilutable
Specific Gravity: ½ g/cc	Melting Point: ~ 30° F (-1°C)	Other: NA

10. STABILITY AND REACTIVITY:

Hazardous Polymerization Will Not Occur May Occur

Stability: Stable

Hazardous Decomposition/Combustion Products:

Oxides of Carbon.

Conditions & Materials to Avoid:

NA

11. TOXICOLOGICAL INFORMATION:

Primary Route(s) of Exposure under Normal Use: Inhalation.

Target Organ(s): NA

Acute Effects: May be irritating.

Diethylene glycol monobutyl ether: LD50 oral rat 6560 mg/kg.

Chronic Effects: NA

Other Information: Chemical Ingredient(s) not classified as carcinogen(s) by OSHA, IARC, NTP, ACGIH, or California.

12. ECOLOGICAL INFORMATION: NA

13. DISPOSAL CONSIDERATIONS: Consult state, local or national regulations for proper disposal. The U.S. Environmental Protection Agency (EPA) does not classify unused product as hazardous waste.

14. TRANSPORT INFORMATION: Not Dangerous Goods. Not Regulated.

IATA/ICAO: Shipping Name: NA	IMDG: NA
Hazard Class: NA	
UN/NA #: NA	
Packing Group #: NA	
	ADR: NA

15. REGULATORY INFORMATION:

U.S. TOSCA: Constituents listed.

Canada: This product has been classified according to the hazard criteria of the Controlled Product Registration (CPR) and this SDS contains all the information required by the CPR.

16. OTHER INFORMATION:

U.S. EPA	National Fire Protection Association Rating		
SARA 313 Chemicals	CERCLA RQ	4=Severe Hazard	HEALTH NA
NA	NA	3=Serious Hazard	FLAMMABILITY NA
		2=Moderate Hazard	REACTIVITY NA
		1=Slight Hazard	OTHER NA
		0=Minimal Hazard	

Notes, abbreviations and acronyms:

- ACGIH: American Conference of Governmental Industrial Hygienists
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- EC: European Commission
- EU IOELV: European Union Indicative Occupational Exposure Limit Values

- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- IATA: International Air Transport Association
- IMDG: International Maritime Code for Dangerous Goods
- NA: Not Available.
- OSHA: Occupational Safety and Health Administration

For laboratory use only. Not for drug, household or other uses.

The information contained herein has been compiled from data presented in various technical sources believed to be accurate. Waters makes no warranties and assumes no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary precautions.