

# Material Safety Data Sheet



## RG Durable Acrylic Asphalt Protector

### 1. Product and company identification

<b>Product name</b>	: RG Durable Acrylic Asphalt Protector
<b>Material uses</b>	: Use to protect asphalt against penetration by oil, gasoline and other harmful products.
<b>Supplier/Manufacturer</b>	: Techniseal 300, avenue Liberté Candiac, QC, Canada, J5R 6X1 Tel: (514) 523-2110 Toll free: 1-800-465-7325 Fax: (450) 633-3035
<b>Validation date</b>	: 4/13/2016
<b>Prepared by</b>	: IHS
<b>In case of emergency</b>	: CANUTEC (613) 996-6666

### 2. Hazards identification

<b>Physical state</b>	: Liquid.
<b>Color</b>	: Black.
<b>Odor</b>	: Latex. [Slight]
<b><u>Emergency overview</u></b>	
<b>Hazard statements</b>	: BIRTH DEFECT HAZARD - CAN CAUSE BIRTH DEFECTS. DEVELOPMENTAL HAZARD - CAN CAUSE ADVERSE DEVELOPMENTAL EFFECTS. REPRODUCTIVE HAZARD.
<b>Precautions</b>	: Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not get on skin or clothing. Avoid exposure during pregnancy. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
<b>OSHA/HCS status</b>	: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
<b>Routes of entry</b>	: Dermal contact. Eye contact. Inhalation. Ingestion.
<b><u>Potential acute health effects</u></b>	
<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.
<b>Skin</b>	: No known significant effects or critical hazards.

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**Eyes** : No known significant effects or critical hazards.

### Potential chronic health effects

**Chronic effects** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : Can cause birth defects.

**Developmental effects** : Can cause developmental abnormalities.

**Fertility effects** : Can impair fertility.

### Over-exposure signs/symptoms

**Inhalation** : No specific data.

**Ingestion** : No specific data.

**Skin** : No specific data.

**Eyes** : No specific data.

**Medical conditions aggravated by over-exposure** : None known.

## 3. Composition/information on ingredients

### United States

Name	CAS number	%
Nepheline syenite	37244-96-5	5-10

### Canada

Name	CAS number	%
Nepheline syenite	37244-96-5	5-10
dibutyl phthalate	84-74-2	0.1-1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

**Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

**Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst.

### Extinguishing media

**Suitable** : Use an extinguishing agent suitable for the surrounding fire.

**Not suitable** : None known.

**Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
metal oxide/oxides

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

**Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods for cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and storage

**Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

**Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### United States

Ingredient	Exposure limits
Opheleine syenite	ACGIH TLV (United States). TWA: 10 mg/m <sup>3</sup> Form: Inhalable

### Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations
Opheleine syenite dibutyl phthalate	US ACGIH ON 7/2015	-	10	-	-	-	-	-	-	-	[a]
	US ACGIH 3/2015	-	10	-	-	-	-	-	-	-	[b]
	AB 4/2009	-	5	-	-	-	-	-	-	-	
	BC 5/2015	-	5	-	-	-	-	-	-	-	
	ON 7/2015	-	5	-	-	-	-	-	-	-	
	QC 1/2014	-	5	-	-	-	-	-	-	-	
	SK	-	5	-	-	10	-	-	-	-	

Form: [a]Inhalable [b]Total dust

### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Engineering measures** :  Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protection

**Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

**Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

**Physical state** : Liquid.  
**Flash point** : Not available.  
**Auto-ignition temperature** : Not available.  
**Flammable limits** : Not available.  
**Color** : Black.  
**Odor** : Latex. [Slight]  
**pH** : 8 to 9  
**Boiling/condensation point** : 100°C (212°F)  
**Melting/freezing point** : -3.5°C (25.7°F)  
**Density** : 1.06 to 1.08 g/cm<sup>3</sup>  
**Vapor pressure** : Not available.  
**Vapor density** : Not available.  
**VOC content** : 0.283 lbs/gal (34 g/l)  
**Odor threshold** : Not available.  
**Evaporation rate** : Not available.  
**Viscosity** : Dynamic (room temperature): 460 to 575 mPa·s (460 to 575 cP)  
**Solubility** : Miscible in water.  
**LogK<sub>ow</sub>** : Not available.

## 10. Stability and reactivity

**Chemical stability** : The product is stable.  
**Conditions to avoid** : No specific data.  
**Incompatible materials** : No specific data.  
**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.  
Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11. Toxicological information

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Diethyl phthalate	LD50 Dermal	Rabbit	>25000 mg/kg	-
	LD50 Oral	Rat	7499 mg/kg	-

### Chronic toxicity

Not available.

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### Irritation/Corrosion

Not available.

### Sensitizer

Not available.

### Carcinogenicity

#### Classification

Not available.

### Mutagenicity

Not available.

### Teratogenicity

Not available.

**Conclusion/Summary** : Classification is based on animal data.

### Reproductive toxicity

Not available.

**Conclusion/Summary** : Classification is based on animal data.

## 12. Ecological information

**Ecotoxicity** : This material is very toxic to aquatic life.

### Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
n-butyl phthalate	Acute EC50 3.4 µg/l Marine water	Algae - Gymnodinium breve	96 hours
	Acute EC50 2990 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 480 µg/l Fresh water	Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 210 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Chronic NOEC 500 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 25 µg/l Fresh water	Fish - Danio rerio - Embryo	5 weeks

### Persistence/degradability

Product/ingredient name	Test	Result	Dose	Inoculum
n-butyl phthalate	OECD 301E Ready Biodegradability - Modified OECD Screening Test	81 % - 28 days	-	-

## 13. Disposal considerations





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**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

**14. Transport information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>DOT Classification</b>	Not regulated.	-	-	-		
<b>TDG Classification</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate). Marine pollutant (dibutyl phthalate)	9	III	 	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.43-2.45 (Class 9), 2.7 (Marine pollutant mark).  <b>Non-bulk packages of this product are not regulated as dangerous goods when transported by road or rail.</b>  <u>Explosive Limit and Limited Quantity Index</u> 5  <u>Special provisions</u> 16, 99
<b>IMDG Class</b>	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate). Marine pollutant (dibutyl phthalate)	9	III	 	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.  <u>Emergency schedules (EmS)</u> F-A, S-F  <u>Special provisions</u> 274, 335

**RG Durable Acrylic Asphalt Protector**

IATA-DGR Class	UN3082	Environmentally hazardous substance, liquid, n.o.s. (dibutyl phthalate)	9	III	 	<p>This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.</p> <p><b>Passenger and Cargo Aircraft</b> Quantity limitation: 450 L  Packaging instructions: 964</p> <p><b>Cargo Aircraft Only</b> Quantity limitation: 450 L  Packaging instructions: 964</p> <p><b>Limited Quantities - Passenger Aircraft</b> Quantity limitation: 30 kg  Packaging instructions: Y964</p> <p><b>Special provisions</b>  A97, A158</p>
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PG\* : Packing group

**15. Regulatory information**

United States

- HCS Classification** : Not regulated.
- U.S. Federal regulations** : **TSCA 8(a) PAIR:** Siloxanes and Silicones, di-Me, reaction products with silica; Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-
- TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
- United States inventory (TSCA 8b):** Not determined.
- SARA 302/304:** No products were found.
- SARA 311/312 Hazards identification:** Not regulated.
- Clean Water Act (CWA) 307:** dibutyl phthalate; dichloromethane; 1,3-dichloropropene
- Clean Water Act (CWA) 311:** dibutyl phthalate; ammonia; 1,3-dichloropropene
- Clean Air Act (CAA) 112 accidental release prevention:** No products were found.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** :  listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

SARA 313

**Form R - Reporting requirements** : Not applicable.

**Supplier notification** : Not applicable.



**RG Durable Acrylic Asphalt Protector****State regulations****Massachusetts** : None of the components are listed.**New York** : None of the components are listed.**New Jersey** : None of the components are listed.**Pennsylvania** : None of the components are listed.**California Prop. 65****WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
dibutyl phthalate	No.	Yes.	No.	Yes.
carbon black non-respirable	Yes.	No.	No.	No.
dichloromethane	Yes.	No.	200 µg/day (inhalation)	No.
1,3-dichloropropene	Yes.	No.	No.	No.

**Canada****WHMIS (Canada)** : Class D-2A: Material causing other toxic effects (Very toxic).**Canadian lists****Canadian NPRI** : None of the components are listed.**CEPA Toxic substances** : None of the components are listed.**Canada inventory** : Not determined.**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.****International regulations**

**International lists** :

- Australia inventory (AICS):** Not determined.
- China inventory (IECSC):** Not determined.
- Japan inventory (ENCS):** Not determined.
- Japan inventory (ISHL):** Not determined.
- Korea inventory:** Not determined.
- Malaysia Inventory (EHS Register):** Not determined.
- New Zealand Inventory of Chemicals (NZIoC):** Not determined.
- Philippines inventory (PICCS):** Not determined.
- Taiwan Chemical Substances Inventory (TCSI):** Not determined.
- Turkey inventory:** Not determined.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed**Chemical Weapons Convention List Schedule II Chemicals** : Not listed**Chemical Weapons Convention List Schedule III Chemicals** : Not listed

## 16. Other information

**Label requirements** : BIRTH DEFECT HAZARD - CAN CAUSE BIRTH DEFECTS. DEVELOPMENTAL HAZARD - CAN CAUSE ADVERSE DEVELOPMENTAL EFFECTS. REPRODUCTIVE HAZARD.

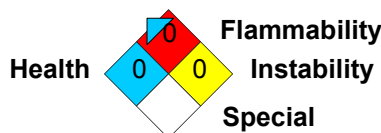
**Hazardous Material Information System (U.S.A.)** :

Health	*	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** :



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

**Date of issue** : 4/13/2016

**Date of previous issue** : 4/16/2013

**Version** : 2

Indicates information that has changed from previously issued version.

### 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.