

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product Name: Concrete Retard Coat for Horizontal Surfaces

Other Means of Identification: IM R-H-20

Recommended Product Use: As surface retarder, when sprayed on fresh soft concrete will retard the cement and expose the aggregate to produce a three dimensional surface.

Restrictions on Use: None known

Manufacturer/Importer/Supplier/Distributor Information:

Company: Con-Spec Industries Ltd.
Address: 9525 - 63 Avenue NW
Edmonton, Alberta T6E 0G2
Contact: Robert Lummerding
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SECTION 2. HAZARD(S) IDENTIFICATION

Classification: Not classified as hazardous according to the criteria of the Globally Harmonized System of Classification and labelling of Chemicals (GHS).

Label Elements:

Signal Word: None

Hazard Statement: None

Precautionary Statement:

Prevention: P261: Avoid breathing fume/gas/mist/vapours/spray. P270: Do not eat, drink or smoke when using this product. P281: Use personal protective equipment as required.

Response: P302 + P350: IF ON SKIN: Gently wash with plenty of soap and water. P304 + P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314: Get medical advice/attention if you feel unwell. P363: Wash contaminated clothing before reuse.

Storage: P233: Keep container tightly closed.

Disposal: P501: Dispose of contents, container in accordance with local authority requirements.

Hazards Not Otherwise Classified: Not Applicable

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Chemical Identity	CAS Number	Content in Percent (%)*
Water	7732-18-5	80-84
Non-Hazardous and substances below reporting requirements		

Composition comments: *All concentrations are percent by weight unless ingredient is a gas.
Gas concentrations are in percent by volume.

SECTION 4. FIRST-AID MEASURES

General Advise: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Eye Contact: Immediately flush eyes with plenty of cool water for at least 10 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Remove contact lenses if safe to do so. Get medical attention if irritation persists. Acute: may cause mild irritation. Symptoms should be transient.

Ingestion: Immediately call POISON CENTRE/Doctor for medical assistance. Have victim drink 300ml (10 oz) of water. Do NOT induce vomiting. If vomiting occurs naturally, have the victim lean forward to reduce risk of aspiration. Repeat administration of water. Ingestion may cause loss of feeling in tongue and throat due to CNS depression.

Most Important Symptoms/Effects, Acute and Delayed:

Aside from the information found under Description of First Aid Measures (above) and indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Note to physicians: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Immediate Medical Attention and Special Treatment:
None

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SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Product itself is not flammable. Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Not applicable.

Specific Hazards Arising from the Chemical

Hazardous combustion products: Combustion products may release carbon oxides.

Unusual fire and explosion hazards: Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Special Precautions for Firefighters:

Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property.

Special protective equipment for fire-fighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location of safe.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use appropriate safety equipment. Keep unnecessary and unprotected personnel from entering the area. Keep personnel out of low areas.

Methods and Material for Containment and Cleaning Up: Contain spilled material if possible. Small spills: any absorbent material. Collect in suitable and properly labelled open containers. Wash the spill site with large quantities of water. Large spills: Dike area to contain spill. Pump into suitable and properly labelled container.

Further accidental release

Measures: Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and /or groundwater.

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SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety practices. Wear personal protective equipment. Keep containers closed when not in use. Ensure engineering controls are operating properly. Report any leaks, spills, or ventilation failures. Any signs of symptoms must be reported.

Conditions for Safe Storage, Including any Incompatibilities: Store away from direct sunlight or ultraviolet light. Keep container tightly closed when not in use. Store in a dry place. Protect from atmospheric moisture. Do not freeze. Store in the following materials: Stainless steel, Aluminium, container lined with phenolic or epoxy-phenolic, FDA food contact approved Coating, or an opaque HDPE plastic container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Appropriate Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective.

Individual Protection Measures, such as Personal Protective Equipment

General Information: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/ mist/vapour/aerosols. Avoid contact with the eyes and skin.

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 20 CFR1910.133, OSHA eye and face protection regulation.

Skin Protection: Not normally required. Can use chemical-resistant gloves and chemical goggles, face shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Respiratory: Not normally required. Wear appropriate respirator when ventilation is inadequate or use produces mists. A NIOSH approved air-purifying respirator with an organic vapour cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Environmental exposure controls: Avoid release to the environment.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State:	Liquid
Colour:	Clear Light Blue-Green
Odour:	Odourless
Odour Threshold:	No data available
PH:	9-10
Melting Point/Freezing Point:	<0°C
Initial Boiling Point and Boiling Range:	>100°C
Flash Point:	>100°C (212°F) (PMCC)
Evaporation Rate:	No data available
Flammability (solid, gas):	Not applicable
Upper/Lower Limit on Flammability or Explosive Limits	Not applicable
Vapour Pressure:	No data available
Vapour Density:	No data available
Specific Gravity:	1.1
Solubility:	Soluble in Water
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available
VOC Content:	0 g/l

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Hazardous polymerization will not occur.
Chemical Stability:	Stable under normal circumstances.
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	No data available.
Incompatible Materials:	Strong acids.
Hazardous Decomposition Products:	Decomposition products may liberate carbon oxides.

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SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Inhalation Skin Contact Eye Contact Ingestion

Acute Toxicity:

LC50 (inhalation) Not Available
LD50 (Oral) Not Available
LD50 (Dermal) Not Available
Notes: Not expected to be acutely toxic

Irritation / corrosion:

Skin: Not expected
Eye: May cause mild eye irritation
Inhalation: Not expected
Sensitization: Not expected

Genetic toxicity:

Mutagenicity: No evidence of mutagenic effects

Carcinogenicity: None known.

Reproductive toxicity: No evidence of reproductive effects

STOT - Single Exposure: Not a STOT-SE toxicant

STOT - Repeated Exposure: Based on available data, not expected

Aspiration Hazard: Not expected

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Unknown eco toxicity for mixture. Not expected to be toxic.

Persistence and degradability: Readily biodegradable.

Bioaccumulative potential: Not Available

Mobility in Soil: Not Available

Other Adverse Effects: Not Available

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SECTION 13. DISPOSAL CONSIDERATIONS

- Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Dispose of waste according to local, state/provincial, and federal requirements. Avoid disposal into wastewater treatment facilities.
- Contaminated Materials:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Container Disposal:** Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14. TRANSPORT INFORMATION

- TDG:** Not regulated as dangerous goods.
- UN Shipping Name:** Not regulated
- Classification:**
- UN:**
- Packing Group:**

SECTION 15. REGULATORY INFORMATION

- WHMIS Classification:** Not regulated

SECTION 16. OTHER INFORMATION

- Revision Date:** June 1, 2018
- Version #:** 1.1

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