



Safety Data Sheet

Date Revised: 4/11/2016

Supersedes:

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Five Star® Rapid Surface Repair R-60 / Component B
Five Star® Rapid Surface Repair R-60 MS / Component B

Synonyms: RSR R-60
RSR R-60 MS (Moisture Scavenging)

Product Use: Concrete repair, construction products

Restrictions on Use: Use with Rapid Surface Repair R-60 Component A or Rapid Surface Repair R-60 MS Component A


Manufacturer/Supplier: Five Star Products, Inc.
60 Parrott Drive
Shelton, CT 06484 USA

Phone #: 203-336-7900

Emergency Phone #: CHEM-TEL 1-800-255-3924
(Outside the U.S. 1-813-248-0585)

SECTION 2: HAZARD(S) IDENTIFICATION-GHS INFORMATION

Classification: Irritant - Skin, Category 2
Irritant - Eye, Category 2A
STOT Single, Category 3

Label Elements/Hazard Pictograms: 

Signal Word: Warning

Hazard Statements: Causes skin irritation, H315.
Causes serious eye irritation, H319.
May cause respiratory irritation, H335.

Precautionary Statements/Prevention: If medical advice is needed, have product container or label at hand, P101.
Keep out of reach of children, P102.
Read label before use, P103.
Wear protective gloves and eye protection, P280.
Wash thoroughly after handling, P264.
Avoid breathing mist/vapors/spray, P261



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Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, P305, P351, P338.
 If skin irritation or rash occurs: Get medical advice/attention, P333, P313.
 If eye irritation persists: Get medical advice/attention, P333, P313.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with applicable regional, national, and local laws and regulations.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC.
 No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
 No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Hazards Not Otherwise Classified: None known.

Ingredients with Unknown Toxicity: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS			
Hazardous Ingredient(s)	Common Name/Synonyms	CAS No.	% wt/wt
Polyether Polyol Mixture	Not Available	Trade Secret	60 - 80
Aromatic Hydrocarbon	Not Available	64742-94-5	20 - 40

SECTION 4: FIRST AID MEASURES

Inhalation: If inhaled: Remove person to fresh air and keep comfortable for breathing.
 If experiencing respiratory symptoms call poison center or doctor.

Eye Contact: If in eyes: Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a poison center or doctor.

Skin Contact: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Immediately call a poison center or doctor if irritation develops. Wash contaminated clothing before reuse.



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Ingestion: If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Note to Physicians: Symptoms may not appear immediately.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability and Explosion Information: Not flammable or combustible by OSHA/WHMIS criteria

Sensitivity to Mechanical Impact: None

MEANS OF EXTINCTION

Suitable Extinguishing Media: Use appropriate means to extinguish surrounding fire. Use water spray to cool containers.

Product of Combustion: Oxides of Carbon and Oxides of Sulphur.

Protection of Firefighters: In the event of fire, wear self-contained breathing apparatus with full protective flameproof clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

Personal Precautions: Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. When respirators are required, select NIOSH/OSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for Containment/Cleanup: Prevent run-off into sewers, storm drains, and surface water bodies using dikes and absorbent materials. Collect spilled materials in suitable closed containers.

Other Information: See Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Handling: Keep containers tightly closed when not in use. Use in well ventilated area. Do not swallow. Do not breathe mist, vapors, or spray. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do



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not eat, drink, or smoke when using this product. Contaminated work clothing should not be allowed out of workplace. See Section 8 for information on Personal Protective Equipment.

Storage: Store locked up. Store in a cool, dry place away from incompatible materials. Do not store near foodstuffs. Store below 127°F (53°C).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	CAS No.	ACGIH(TLV)	OSHA(PEL)
Polyethyl Polyol Mixture	TS	Not Available	Not Available
Aromatic Hydrocarbon	64742-94-5	1600 mg/m ³	400 mg/m ³ (TWA)

PEL: Permissible Exposure Limit TLV: Threshold Limit Value.

Engineering Controls: Use a combination of general dilution ventilation and local exhaust ventilation to keep exposure below the exposure limit. Use precautions for confined entry situations.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Wear chemical safety goggles and full face shield. Ensure that eyewash stations and safety showers are close to the workstation location. Use equipment for eye protection that meets the standards referenced for OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Hand Protection: Wear chemical resistant protective gloves, natural rubber gloves recommended.

Skin and Body Protection: Wear protective clothing. Clothing with full length sleeves and pants should be worn.

Respiratory Protection: Use NIOSH approved respirator at elevated temperatures or when conditions warrant.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices. Follow guidance as recommended in Section 2.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Black
Odor:	Aromatic
Odor Threshold:	Not Available
Physical State:	Liquid
pH:	Not Applicable



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Freezing Point:	-45°F (-43°C)
Initial Boiling Point:	Not Available
Boiling Point:	464°F (240°C)
Flash Point:	338°F (170°C) (open cup)
Evaporation Rate:	0.06 (n-butyl acetate = 1)
Lower Flammability Limit:	7.0% (% by volume)
Upper Flammability Limit:	0.6% (% by volume)
Vapor Pressure:	3mm Hg (0.4kPa) @ 68°F (20°C)
Vapor Density:	4.6 (Air = 1)
Relative Density:	0.95
Solubility:	Insoluble
Partition Coefficient: n-Octanol/Water:	Not Available
Auto-ignition Temperature:	>830°F (443°C)
Decomposition Temperature:	Not Available
Viscosity:	90 – 110 cps
Percent Volatile, wt. %:	0
VOC Content, wt. %:	0
Density:	0.95 g/cc
Coefficient of Water/Oil Distribution:	Not Available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur. Closed containers may rupture if heated.
Hazardous Decomposition Products:	Oxides of Carbon, Oxides of Sulfur.
Conditions to Avoid:	Excessive heat
Incompatible Materials:	Strong bases, strong acids and strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral:	Harmful if swallowed.
Dermal:	Mild irritation possible with direct contact.



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Inhalation:	Excessive inhalation of vapors or mists may cause irritation of respiratory tract, loss of coordination, nausea and headache.
Primary Irritant Effect On the Skin:	Mild irritation possible upon direct contact.
Primary Irritant Effect On the Eye:	Mild irritation possible upon direct contact.
Sensitization:	Not Applicable
Additional Toxicological Information:	None
Repeated Dose Toxicity:	Prolonged and repeated skin contact may lead to contact dermatitis.
Mutagenicity:	Not Applicable
Carcinogenicity:	Not Listed

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	Not expected to be acutely toxic.
Aquatic Toxicity:	Not available
Acute Toxicity:	Aromatic hydrocarbon: LD50 – 7050 mg/kg (oral, rat)
Persistence and Degradability:	No hazardous short term biodegradation products. Long term effects unknown.
Bio-accumulative Potential:	Will not bioaccumulate.
Mobility in Soil:	Not available.
Ecotoxicological Effects Remark:	Not available.
General Notes:	None
PBT Assessment:	Not available.
vPvB Assessment:	Not available.
Other Adverse Effects:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Recommendation:	Follow all national, state, provincial and local regulations.
Uncleaned Packaging Recommendation:	Decontaminate empty containers by filling with water. Heat and carbon dioxide will be released. Let stand uncovered for at least 24 hours. Disposal must be made according to official regulations.



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SECTION 14: TRANSPORT INFORMATION

US DEPARTMENT of TRANSPORTATION (DOT)

Proper Shipping Name: Not regulated

Class: None

UN #: None

Packing Group: None

CANADA Transportation of Dangerous Goods (TDG)

Proper Shipping Name: Not regulated

Class: None

UN #: None

Packing Group: None

Air Transport (ICAO-IATA/DGR) Proper Shipping Name:

Not regulated

Class: None

UN #: None

Packing Group: None

Sea Transport (IMDG-Code/GGVSee) Proper Shipping Name:

Not regulated

UN #: None

Class: None

Packing Group: None

Marine Pollutant: None

Special Provision(s): None

SECTION 15: REGULATORY INFORMATION

CERCLA Reportable Quantity

SARA 313: No reportable substances.

CHEMICAL INVENTORIES

US (TSCA): All components listed.

CANADA (DSL): All components listed.

FEDERAL REGULATIONS

CANADA



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WHMIS Classification: Class D-2B: Material causing other toxic effects (toxic)

UNITED STATES: This SDS had been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

SARA Title III: Section 302: No chemicals in this material are subject to the reporting requirements of SARA Title III Section 302. Section 313: This material does not contain any chemical components that exceed the threshold (de minimus) reporting levels established by SARA Title III Section 313. Section 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard.

STATE REGULATIONS

California
California Prop 65: This product does not contain chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

HMIS Rating:

Health	Flammability	Physical Hazard	Personal Protection
2	1	0	B

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