



**SECTION 1  
CHEMICAL PRODUCT AND IDENTIFICATION**

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**PRODUCT(S)** LEVELROCK® SE-100™ Surface Enhancer

**CHEMICAL FAMILY /  
GENERAL CATEGORY** Industrial Products, Flooring

**SYNONYMS** Surface enhancer

**SECTION 2  
HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW:  
ΔWARNING!**

This product is not expected to produce any unusual hazards during normal use. Exposure to high dust and/or mist levels may irritate the skin, eyes, nose, throat, or upper respiratory tract. Harmful if swallowed.

**POTENTIAL HEALTH EFFECTS** (See Section 11 for more information)

**ACUTE :**

Inhalation	Exposure to dust and mist generated during the handling, spray application or use of the product may cause temporary irritation to eyes, skin, nose, throat, and upper respiratory tract. Persons subjected to large amounts of this dust or mist will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician. Inhalation of zinc sulfate may cause coughing, wheezing and/or chest tightness.
Eyes	Dust/mist can cause temporary mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult physician. Zinc sulfate may cause burning, redness, itching, pain, tearing and/or blurred vision.
Skin	None known.
Ingestion	As with other soluble zinc salts, zinc sulfate may cause irritation of mucous membranes due to hydrolysis and formation of acid in the stomach. Large amounts of zinc sulfate can cause burns to the gastrointestinal tract, nausea, vomiting and diarrhea.

**CHRONIC:**

Inhalation	None known.
Eyes	None known.
Skin	Due to the zinc sulfate content in this product, prolonged or repeated exposure may cause swelling or other skin eruptions.
Ingestion	Zinc is eliminated from the body fairly rapidly, minimizing long-term effects.

**TARGET ORGANS:** Eyes, skin and respiratory system.

**PRIMARY ROUTES OF ENTRY:** Inhalation, eyes and skin contact.



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**CARCINOGENICITY CLASSIFICATION OF INGREDIENT(S)** All substances listed are associated with the nature of the raw materials used in the manufacture of this product and are not independent components of the product formulation. All substances, if present, are at levels well below regulatory limits. See Section 11: Toxicology Information for detailed information.

MATERIAL	IARC	NTP	ACGIH	CAL- 65
IARC - International Agency for Research on Cancer: 1- Carcinogenic to humans; 2A – Probably carcinogenic to humans; 2B – Possibly carcinogenic to humans; 3 - Not classifiable as a carcinogen; 4 – Probably not a carcinogen				
NTP – National Toxicology Program (Health and Human Services Dept., Public Health Service, NIH/NIEHS): 1- Known to be carcinogen; 2- Anticipated to be carcinogens				
ACGIH – American Conference of Governmental Industrial Hygienists: A1 – Confirmed human carcinogen; A2 – Suspected human carcinogen; A3 – Animal carcinogen; A4 - Not classifiable as a carcinogen; A5 – Not suspected as a human carcinogen				
CAL-65 – California Proposition 65 “Chemicals known to the State of California to Cause Cancer”				
Food and Drug Administration [CFR Title 21, v.3, sec 182.8997] – Zinc Sulfate is Generally Recognized as Safe (GRAS).				
<b>POTENTIAL ENVIRONMENTAL EFFECTS:</b> This product has no known adverse effect on ecology. (See Section 12 for more information.)				

### SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

MATERIAL	WT%	CAS #
Zinc Sulfate Monohydrate	>75	7446-19-7
Redispersible Polymer Binder	<25	Proprietary

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory and the Canadian Domestic Substances List (DSL).

### SECTION 4 FIRST AID MEASURES

#### FIRST AID PROCEDURES

Inhalation	Remove to fresh air. Leave the area of exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, contact physician. If not breathing, give artificial respiration. Seek medical attention.
Eyes	In case of contact, do not rub or scratch your eyes. To prevent mechanical irritation, flush thoroughly with water for 15 minutes. If irritation persists, consult physician.
Skin	Wash with mild soap and water. If irritation persists, consult physician.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water, or if available several glasses of milk. If vomiting occurs spontaneously, keep airway passage clear and give more water. Seek medical attention immediately.



**MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:** Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma. Pre-existing skin diseases such as, but not limited to, rashes and dermatitis.

**NOTES TO PHYSICIAN:** Treatment should be directed at the control of symptoms and the clinical condition.

**SECTION 5  
 FIRE FIGHTING MEASURES**

<b>General Fire Hazards</b>	None known		
<b>Extinguishing Media</b>	Water or use extinguishing media appropriate for surrounding fire.		
<b>Special Fire Fighting Procedures</b>	Wear a NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus and goggles. Avoid exposure to smoke or fumes. Contain any liquid runoff.		
<b>Unusual Fire/ Explosion Hazards</b>	None known		
<b>Hazardous Combustion Products</b>	Sulfur trioxide fumes. At about 680 degrees Celsius (1256°F), sulfur trioxide separates from the compound, above 930 degrees Celsius (1706°F), the compound is decomposed to zinc oxide. Above 175° C – polyvinyl acetate may decompose to H <sub>2</sub> O, CO <sub>2</sub> , CO, and acetic acid, could produce vinyl acetate monomers.		
<b>Flash Point</b>	Not Determined	<b>Auto Ignition</b>	Not Applicable
<b>Method Used</b>	Not Applicable	<b>Flammability Classification</b>	Not Applicable
<b>Upper Flammable Limit (UFL)</b>	Not Determined		
<b>Lower Flammable Limit (LFL)</b>	Not Determined	<b>Rate of Burning</b>	Not Applicable

**SECTION 6  
 ACCIDENTAL RELEASE MEASURES**

**CONTAINMENT:** Wear appropriate personal protection (See Section 8). Dilute small spills with plenty of water. Neutralize any further residue with alkali such as soda ash, lime, or limestone. Adequate ventilation is required if soda ash or limestone is used because of the consequent release of carbon dioxide gas.

**CLEAN-UP:** Absorb small spills on sand or vermiculite and place in appropriate containers for disposal. Slippery when wet, use care to avoid falling.

**DISPOSAL:** Follow all local, state, provincial and federal regulations. Never discharge large releases directly into sewers or surface waters.

**SECTION 7  
 HANDLING AND STORAGE**



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**HANDLING:** Avoid dust/mist contact with eyes and skin. Wear the appropriate eye and skin protection against dust/mist (See Section 8). Minimize dust/mist generation and accumulation. Avoid breathing dust/mist. Wear the appropriate respiratory protection against dust/mist in poorly ventilated areas and if TLV is exceeded (see Sections 2 and 8). Use good safety and industrial hygiene practices. Avoid contact with skin and clothing.

**STORAGE:** Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities (see Section 10).

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL	WT%	TLV (mg/m <sup>3</sup> )	PEL( mg/m <sup>3</sup> )
Zinc Sulfate Monohydrate	>75	(NE)	(NE)
Redispersible Polymer Binder	<25	10	15 (T) / 5 (R)

(T)—Total; (R)—Respirable; (NE)-Not Established; (C)-Ceiling; (STEL)-Short-term exposure limit  
(F)-Fume; (Du)-Dust; (M)-Mist  
ppm-part per million; f/cc-fiber per cubic centimeter; mppcf- million particles per cubic foot

**ENGINEERING CONTROLS:** Provide ventilation sufficient to control airborne dust/mist levels. If user operations generate airborne dust/mist, use ventilation to keep dust/mist concentrations below permissible exposure limits. Where general ventilation is inadequate, use process enclosures, local exhaust ventilation, or other engineering controls to control dust/mist levels below permissible exposure limits.

**RESPIRATORY PROTECTION:** Wear a NIOSH/MSHA-approved respirator equipped with particulate cartridges when dusty or misty in poorly ventilated areas, and if TLV is exceeded. A respiratory program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. If engineering controls are not possible, wear a properly fitted NIOSH/MSHA-approved particulate respirator.

#### OTHER PERSONAL PROTECTIVE EQUIPMENT:

Eye/Face	Eye wash fountains should be located in immediate work area.
Skin	Wear gloves and protective clothing to prevent repeated or prolonged skin contact.
General	Selection of Personal Protective Equipment will depend on environmental working conditions and operations.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless	Vapor Density (Air = 1)	Not Applicable
Odor	Sweet acrylic odor	Specific Gravity (H <sub>2</sub> O = 1)	Not Determined
Odor Threshold	Not Determined	Solubility in water (g/100g)	Soluble
Physical State	Solid/ Powder	Partition Coefficient	Not Determined
pH @ 25 ° C	6-7	Auto-ignition Temp	Not Determined
Melting Point	Not Applicable	Decomposition Temp	Not Determined



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Freezing Point	Not Applicable	Viscosity	Not Applicable
Boiling Point	Not Applicable	Particle Size	Not Determined
Flash Point	Not Determined	Bulk Density	Not Determined
Evaporation Rate (BuAc = 1)	Not Applicable	Molecular Weight	Mixture
Upper Flammable Limit (UFL)	Not Determined	VOC Content	Zero g/L
Lower Flammable Limit (LFL)	Not Determined	Percent Volatile	Zero
Vapor Pressure (mm Hg)	Not Applicable		

### SECTION 10 CHEMICAL STABILITY AND REACTIVITY

STABILITY	Stable.
CONDITIONS TO AVOID	Contact with incompatibles (see below).
INCOMPATIBILITY	Lead, calcium, strontium salts, borax, alkali carbonates and hydroxides, silver protein and tannins.
HAZARDOUS POLYMERIZATION	None known.
HAZARDOUS DECOMPOSITION	Above 175° C – polyvinyl acetate may decompose to H <sub>2</sub> O, CO <sub>2</sub> , CO, and acetic acid, could produce vinyl acetate monomers.

### SECTION 11 TOXICOLOGICAL INFORMATION

<b>ACUTE EFFECTS:</b> Zinc Sulfate: LD50 (oral, mouse) 2200 mg/kg; LD50 (oral, rat) 2150 mg/kg
<b>CHRONIC EFFECTS / CARCINOGENICITY:</b> There is no vinyl acetate/acetaldehyde/formaldehyde added to this product: Ethylene vinyl acetate polymer is a common emulsion polymer most familiar as the component of ordinary white glue which exhibits the “sticky” characteristic. Ethylene vinyl acetate polymer is not classified as a carcinogen by IARC, NTP or ACGIH. Trace amounts of residual vinyl acetate monomers, acetaldehyde and formaldehyde may be associated with the production of ethylene vinyl acetate polymer. Any exposure to vinyl acetate monomer, acetaldehyde, or formaldehyde is expected to remain well below OSHA regulatory and ACGIH recommended limits during normal handling and use of this product.

### SECTION 12 ECOLOGICAL INFORMATION

<b>ENVIRONMENTAL TOXICITY:</b> This product has no known adverse effect on ecology.	
<b>Ecotoxicity value</b>	Not determined.



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**SECTION 13**  
**DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Dispose of material in accordance with federal, state, and local regulations. Never discharge directly into sewers or surface waters. Consult with environmental regulatory agencies for guidance on acceptable disposal practices.

**SECTION 14**  
**TRANSPORT INFORMATION**

**U.S. DOT INFORMATION:** Not a hazardous material per DOT shipping requirements. Not classified or regulated.

<b>Shipping Name</b>	Same as product name.
<b>Hazard Class</b>	Not classified.
<b>UN/NA #</b>	None. Not classified.
<b>Packing Group</b>	None.
<b>Label (s) Required</b>	Not applicable.
<b>GGVSec/MDG-Code</b>	Not classified.
<b>ICAO/IATA-DGR</b>	Not applicable.
<b>RID/ADR</b>	None.
<b>ADNR</b>	None.

**SECTION 15**  
**REGULATORY INFORMATION**

**UNITED STATES REGULATIONS**

All ingredients of this product are included in the U.S. Environmental Protection Agency's Toxic Substances Control Act Chemical Substance Inventory.

<b>MATERIAL</b>	<b>WT%</b>	<b>3 0 2</b>	<b>3 0 4</b>	<b>3 1 3</b>	<b>CERCLA</b>	<b>CAA Sec. 112</b>	<b>RCRA Code</b>
Zinc Sulfate Monohydrate	>75	NL	NL	NL	NL	NL	NL
Redispersible Polymer Binder	<25	NL	NL	NL	NL	NL	NL

Key : NL = Not Listed

SARA Title III Section 302 (EPCRA) Extremely Hazardous Substances: Threshold Planning Quantity (TPQ)

SARA Title III Section 304 (EPCRA) Extremely Hazardous Substances: Reportable Quantity (RQ)

SARA Title III Section 313 (EPCRA) Toxic Chemicals: X= Subject to reporting under section 313

CERCLA Hazardous Substances: Reportable Quantity (RQ)

CAA Section 112 (r) Regulated Chemicals for Accidental Release Prevention: Threshold Quantities(TQ)

RCRA Hazardous Waste: RCRA hazardous waste code



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**CANADIAN REGULATIONS**

This product has been classified in accordance with the hazard criteria of Controlled Product regulations and the MSDS contains all the information required by the Controlled Products Regulations. All ingredients of this product are included in the Canadian Domestic Substances List (DSL).

MATERIAL	WT%	IDL Item #	WHMIS Classification
Zinc Sulfate Monohydrate	>75	Not Listed	Not Listed
Redispersible Polymer Binder	<25	Not Listed	Not Listed

IDL Item#: Canadian Hazardous Products Act – Ingredient Disclosure List Item #

WHMIS Classification: Workplace Hazardous Material Information System

**Risk and Safety Phrases defined by European Union Directive 67/548/EEC (Annex III and IV)**

R-Phrase(s): R36/37/38 R36/37/38

S-Phrase(s): None known.

### SECTION 16 OTHER INFORMATION

**Label Information****Δ WARNING!**

Direct contact with eyes can cause burning, irritation and/or blurred vision. Dust and/or mist can cause irritation to eyes, skin and respiratory tract. Wear eye, skin and respiratory protection as necessary per working conditions. If eye contact occurs flush immediately with water for 30 minutes. Use in a well-ventilated area. Harmful if swallowed. Ingestion of large amounts can cause burns to the gastrointestinal tract, nausea, vomiting and diarrhea. Do not ingest. If ingested, call physician immediately. Product safety information: 800-507-8899 or usg.com. Customer Service: 800 USG-4-YOU (800 874-4968). KEEP OUT OF REACH OF CHILDREN.

**INFORMATION FOR HANDLING AND IDENTIFICATION OF CHEMICAL HAZARDS**

NFPA Ratings:		HMIS Ratings:		0 = Minimal Hazard
Health: 1		Health: 1		1 = Slight Hazard
Fire: 0		Fire: 0		2 = Moderate Hazard
Reactivity: 0		Reactivity: 1		3 = Serious Hazard
				4 = Severe Hazard

E – Safety glasses, gloves and dust respirator

**Key/Legend**

ANSI	American National Standards Institute
ACGIH	American Conference of Governmental Industrial Hygienists
CAA	Clean Air Act
CAS	Chemical Abstracts Service (Registry Number)
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CFR	Code of Federal Regulations



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DOT	United States Department of Transportation
DSL	Canadian Domestic Substances List
EPA	United States Environmental Protection Agency
EPCRA	Emergency Planning & Community Right-to-know Act
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and Health Administration
NDSL	Canadian Non-Domestic Substances List
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Health and Safety Administration
PEL	Permissible Exposure Limit
PPE	Personal Protection Equipment
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act of 1986
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
UN/NA#	United Nations/North America number
WHMIS	Workplace Hazardous Material Information System

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**END**