Company Name: Superior Stone Products, Inc.

**Product Name: Superior Gold Evolution EV-5 Knife Grade** 

Issue Date: 9/15/2023 Revision Date: 10/15/2023 SDS Number: 200-30050



# Section I - Product and Company Identification

Superior Gold Evolution EV-5 Knife Grade Product Identifier:

Product Description/Use: Acrylic Adhesive and Filler

None Known **Product Restrictions:** 

**Product Code:** 30050 Chemical Family: Acrylic

24 Hour Emergency Telephone Number: Company: CHEMTREC 800-424-9300

Superior Stone Products, Inc. 8580 Byron Commerce Drive Byron Center, MI 49315 Phone: (616) 583-0176

# **Section II – Hazards Identification**

GHS Hazard Classification(s):

Flammable Liquid: Category 2 Skin Sensitization: Category 1

Skin Irritation: Category 2

Specific Target Organ Systemic Toxicity - Single Exposure: Category 3, Respiratory Tract Irritation



### Hazard Statements:

H225: Highly Flammable liquid and vapor. H317: May cause allergic skin reaction.

H315: Causes skin irritation. H402: Harmful to aquatic life.

H335: May cause respiratory irritation.

#### **Precautionary Statements:**

P201: Obtain special instruction before use.

P202: Do not handle until all safety precautions have

been read and understood.

P210: Keep away from heat/sparks/open flames/hot

surfaces - No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting

equipment.

P243: Take precautionary measures against static

discharge.

#### Precautionary Statements: - Response:

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P301+330+331: IF SWALLOWED: Rinse mouth. Do

NOT induce vomiting.

P261: Avoid breathing fumes.

Signal Word(s): Danger

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink, or smoke when using this

product.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be

allowed out of the work area.

P280: Wear protective gloves/protective clothing/eye

protection/face protection.

P312: Call a POISON CENTER or physician if you feel

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P301+P361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water or shower.

P332+313: If skin irritation occurs: Get medical

attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical

attention.

Precautionary Statements: - Storage:

P403+235: Store in a well-ventilated place. Keep cool. P233: Keep container tightly closed.

Precautionary Statements: - Disposal:

P501: Dispose of contents and container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: Polymerization with heat evolution may occur in the presence of radical forming substances (e.g., peroxides), reducing substances, and/or heavy metal ions.

# **Section III – Composition/Information on Ingredients**

Substance/Mixture: Mixture

<u>Ingredient</u> <u>Synonym(s)</u> <u>% (By Weight)</u> <u>CAS#</u> <u>EINECS Nc.</u> Methyl Methacrylate Monomer, Methyl Ester fo 30-35% 80-62-6 201-297-1

Methacrylic Acid, Methyl-2-methyl-2-

propenoate

## Section IV - First Aid Measures

If Swallowed: DO NOT INDUCE VOMITING (aspiration hazard). Seek immediate medical aid.

**Skin Contact:** Remove contaminated clothing. Wash with soap and water. Consult a physician if any signs or symptoms described in this document occur. Wash contaminated clothing.

If Inhaled: Remove victim from exposure. If victim is unconscious, administer artificial respiration and/or oxygen as needed. Seek medical aid.

Eyes: Flush with copious amounts of water for 15 minutes. Seek immediate medical aid.

Most important symptoms/effects, acute and delayed:

Headache, confusion, skin sensitization. Causes skin and eye irritation. Nausea, dermatitis. May cause irritations of the respiratory tract. Inhalation can lead to irritation of the mucous membrane.

Note to Physicians: Treat symptomatically.

# **Section V - Fire Fighting Measures**

**Suitable Extinguishing Media:** Water Spray, foam, dry chemical, carbon dioxide or any Class B extinguishing agent. **Unsuitable Extinguishing Media:** Do not use water jet.

**Special Fire Fighting Procedures:** Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus and full protective clothing. Equipment should be thoroughly decontaminated after use. **Unusual Fire and Explosion Hazards:** At elevated temperatures, such as in a fire, polymerization may take place. If polymerization takes place in a closed container, there is the possibility of violent rupture of the container. Product vapors may form an explosive mixture in air.

Hazardous Products of Combustion: Decomposition products may include the following material: carbon oxides, nitrogen oxides.

Other Remarks: Liquid and vapor may cause flash fire or ignite explosively. Vapor is heavier than air and may settle in low places or spread long distances to a source of ignition and flashback. Explosive atmospheres may linger. Closed containers can rupture and release toxic vapors or decomposition products.

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#### **Section VI - Accidental Release Measures**

Personal Precautions, Protective Equipment and Emergency Procedures

**For Non-Emergency Personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Do not touch or walk through spilled material. Provide adequate ventilation.

**For Emergency Responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See also the information for non-emergency personnel.

Methods and Materials for Containment and 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. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

Large Spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. 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). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# **Section VII - Handling and Storage**

Precautions for Safe Handling

Protective Measures: Put on appropriate personal protection 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. Do not breath vapor or mist. Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined space unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks open flame or any other ignition source. Use explosion-roof electrical (ventilating, lighting, and material handling) equipment. Use only on-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on General Occupational Health:** 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. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage, Including and Incompatibles: Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Segregate from oxidizing materials. 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 no store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Refer to the product label and/or technical data sheet for further information.

Do not store in temperatures greater than 100°F.

Shelf Life: One (1) year when stored at room temperatures.

## **Section VIII - Exposure Controls/Personal Protection**

Likely Routes of Exposure: Inhalation, Dermal, Ingestion.

**Control Parameters** 

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#### Occupational exposure Limits:

Methyl Methacrylate

|   |         |         | Australia |                   |         |      |        |      |  |
|---|---------|---------|-----------|-------------------|---------|------|--------|------|--|
|   | 09      | SHA-PEL | ACG1      | GIH-TLV NIOSH-REL |         | SWA  |        |      |  |
|   | TWA     | Ceiling | TWA       | STEL              | TWA     | STEL | TWA    | STEL |  |
| : | 100 ppm | N/A     | 50 ppm    | 100 ppm           | 100 ppm | N/A  | 50 ppm | N/A  |  |

Engineering Controls: Use only with adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard. Engineering controls also need to keep gas vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental Exposure Controls: Emissions from ventilation of 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. .

#### Individual Protection Measures

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.

Eye/Face Protection: 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, gasses, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Hand Protection: 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures consisting of several substances, the protection time of the gloves cannot be accurately estimated. Body Protection: 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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots, and gloves.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Respiratory Protection: 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.

# Section IX – Physical and Chemical Properties

Physical State: Thin Paste Color: Yellowish White Odor: Acrid, fruity.

Odor Threshold: 0.05 ppm

pH: Not Available

Melting Point/Freezing Point: -54.4°F/-48°C

**Boiling Point:** 212.5°F/100.3°C **Boiling Range:** Not Available Flash Point: 75°F/24°C **Burning Time:** Not Applicable

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Burning Rate: Not Applicable

Evaporation Rate: 3.1 (Butyl acetate) = 1) Flammability (solid, gas): Not Available

Lower and Upper Explosive (Flammable) Limits: Lower: 2.1%

Upper: 12.5%

Vapor Pressure: 29 mm Hg @ 68°F/20°C (Methyl Methacrylate)

Vapor Density: 3.5 (Air = 1) (Methyl Methacrylate)

Relative Density: 0.94 (Water = 1)

Solubility: Insoluble

Partition Coefficient: n-Octanol/water: Not Available

Auto-Ignition temperature: 790°F/421°C Decomposition Temperature: Not Available

**SADT:** Not Available **Viscosity:** Not Available.

# **Section X - Stability and Reactivity**

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: Material is stable.

Hazardous Polymerization: None under normal conditions.

Conditions to avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. Incompatibility (materials to avoid): Strong acids and oxidizing agents.

Hazardous Decomposition: Heating of this material to decomposition may cause fumes containing organic acids, carbon

dioxide and carbon monoxide.

# **Section XI - Toxicological Information**

**Acute Toxicity:** 

| Product/Ingredient Name | <u>Result</u>   | <u>Species</u> | <u>Dose</u>              | <b>Exposure</b> |
|-------------------------|-----------------|----------------|--------------------------|-----------------|
| Methyl Methacrylate     | LC50 Inhalation | Rat            | 78,000 mg/m <sup>3</sup> | 4 hours         |
|                         | LD50 Oral       | Rat            | 7,872 mg/kg              | -               |
|                         | LD50 Dermal     | Rat            | >5 000 ma/ka             | _               |

Irritation/Corrosion: Not available

Sensitization: Not available Mutagenicity: Not available Carcinogenicity: Not available

Classification:

<u>Product/Ingredient Name</u> <u>OSHA</u> <u>IARC</u> <u>NTP</u>

Methyl Methacrylate No Component of this product present 3 No Component of this product present at at levels greater than or equal to 0.1% levels greater than or equal to 0.1% is

is identified as a carcinogen or identified as a known or anticipated

potential carcinogen by OSHA carcinogen by NTP

Reproductive Toxicity: Not available

Teratogenicity: Not available

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure): Not available

Aspiration Hazard: Not available

Likely Routes of Exposure: Inhalation, Dermal, Ingestion.

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96 hours

# **Section XII - Ecological Information**

Toxicity:

Product/Ingredient NameResultSpeciesExposureMethyl MethacrylateEC50 170 μg/l Fresh WaterAlgae - Pseudokirchneriella96 hours

subcapitata

EC50 720 µg/l Fresh Water Daphnia - Daphnia magna

LC50 125.5-275.0 µg/l Fresh Water Fish - Pimephales promelas

Persistence and Degradability: Not Available Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

# **Section XIII - Disposal Considerations**

The information in this section contains generic advice and guidance. The list of identified uses in Section 1 should be consulted for any available use-specific information.

**Disposal Methods:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Disposal of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid disposal. Attempt to use product completely in accordance with intended use. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special Precautions:** This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soul, water ways, drains and sewers.

### **Section XIV - Transportation Information**

DOT (DEPARTMENT OF TRANSPORTATION) Canada (TDG)

Technical Name: Resin Solution Technical Name: Resin Solution

Hazard Class: 3
NA/UN Number: 1866
Packing Group: III
Hazard Class: 3
NA/UN Number: 1866
Packing Group: III

Marine Pollutant: No

Please refer to DOT regulations for more info

Please refer to TDG Regulations for more info

International Air Transport Association (IATA)

International Maritime Organization (IMO)

Technical Name: Resin Solution Technical Name: Resin Solution

Hazard Class: 3

NA/UN Number: 1866

Packing Group: III

ERG Code: 3L

Marine Pollutant: No

Hazard Class: 3

NA/UN Number: 1866

Packing Group: III

EmS: F-E, S-E

Marine Pollutant: No

Please refer to IATA regulations for more info.

Please refer to IMO regulations for more info.

**Special Precautions for User:** Transport within users' premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the products know what to do in the event of an accident or spillage.

### **Section XV - Regulatory Information**

United States Federal Regulations:

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#### Sara Title III - Section 311/312

CriteriaYes/NoImmediate (Acute) Health Effects:YesChronic (Delayed) Health Effects:YesFire Hazard:YesSudden Release of Pressure Hazard:NoReactivity:No

#### Sara Title III - Section 313

| <u>Criteria</u>       | Product/Ingredient Name | <u>CAS Number</u> | <u>%</u> |
|-----------------------|-------------------------|-------------------|----------|
| Form R - Reporting    | Methyl Methacrylate     | 80-62-6           | 30-35%   |
| Requirements          |                         |                   |          |
| Supplier Notification | Methyl Methacrylate     | 80-62-6           | 30-35%   |

#### State Regulations:

Massachusetts: The following components are listed: Methyl Methacrylate New Jersey: The following components are listed: Methyl Methacrylate

**California Prop. 65: Warning:** This product is not known to contain a chemical known to the State of California to cause cancer or other reproductive harm.

### **Section XVI - Other Information**

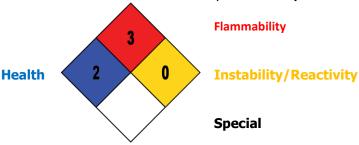
#### Hazardous Material Information System (United States):

Health 2 Flammability 3 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 SDSs under 29 CFR 19101200, 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 (United States):



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and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

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 NFPS 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.

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