

# 5122 JUNO SILVER WATERBASE BAKING ENAMEL

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT CODE:** 5122  
**PRODUCT NAME:** NEW JUNO SILVER WATERBASE BAKING ENAMEL  
**PRODUCT USE:** Liquid Paint  
**MANUFACTURER:** RAE Products & Chemicals Corporation  
 11638 South Mayfield Avenue.  
 Alsip, IL 60803  
 1-(877)-275-7550

**24 HR. EMERGENCY TELEPHONE NUMBER**  
**CHEMTREC (US): 1 (800) 424-9300**

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Skin and eye irritant.

**CLASSIFICATION:**

- Eye irritation - Category 2A
- Flammable liquids - Category 4
- Acute toxicity (Oral) - Category 4
- Flammable liquids - Category 3
- Flammable Solids - Category 1
- S.T.O.T. - repeated exposure - Category 2 (Kidney)
- Skin irritation - Category 2
- S.T.O.T. - single exposure - Category 3 (Central nervous system)
- S.T.O.T. - repeated exposure - Category 2 (Liver, Kidney, Central nervous system)
- Acute toxicity, Dermal - Category 4
- Carcinogenicity - Category 2B
- Aspiration hazard - Category 1
- S.T.O.T. - single exposure - Category 3 (Respiratory system)
- Skin Corrosion - Category 1B
- Serious Eye Damage / Irritation - Category 1
- Acute Toxicity, Inhalation - Category 3
- Acute toxicity, Inhalation - Category 4

**PICTOGRAMS:**



**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS:**

- H421 - May form combustible dust concentrations in air.
- H319 - Causes serious eye irritation.
- H227 - Combustible liquid.
- H228 - Flammable solid.
- H302 - Harmful if swallowed.
- H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
- H335 - May cause respiratory irritation.
- H315 - Causes skin irritation.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H226 - Flammable liquid and vapor.
- H304 - May be fatal if swallowed and enters airways.
- H336 - May cause drowsiness or dizziness.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H312 - Harmful in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H331 - Toxic if inhaled.

**PRECAUTIONARY STATEMENTS:**

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P264 - Wash thoroughly after handling.
- P240 - Ground/bond container and receiving equipment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P260 - Do not breathe dust/fumes/gas/mist/vapors/spray.  
 P241 - Use explosion-proof electrical / ventilating / lighting / equipment.  
 P270 - Do not eat, drink or smoke when using this product.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P233 - Keep container tightly closed.  
 P235 - Keep cool.  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.

**POTENTIAL HEALTH EFFECTS:**

**EYES:** Primarily an irritant.  
**SKIN:** Can cause skin irritation. Primarily an irritant.  
**INGESTION:** Harmful if swallowed. Irritating to mouth, throat and stomach. No known significant effects or critical hazards.  
**INHALATION:** Harmful if inhaled. May cause drowsiness and dizziness. Vapors may cause respiratory irritation. Aspiration hazard - can enter lungs and cause damage. No known significant effects or critical hazards.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT % (MAX)</u>
ALUMINUM FLAKE	7429-90-5	6.08
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	5.38
sec-BUTYL ALCOHOL	78-92-2	4.74
DIETHYLENE GLYCOL	111-46-6	3.52
DIMETHYLETHANOLAMINE	108-01-0	2.13
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	1.84
PETROLEUM DISTILLATES, HYDROTREATED LIGHT	64742-47-8	1.10
SOLVENT NAPHTHA, MEDIUM ALIPHATIC	64742-88-7	1.10
CARBON BLACK	1333-86-4	0.23

**4. FIRST AID MEASURES**

**EYES:** Rinse thoroughly with plenty of water, also under the eyelids for at least 15 minutes. Seek medical attention if needed.

**SKIN:** Wash off with soap and water immediately. Remove all contaminated clothing. Seek medical attention if needed.

**INGESTION:** Call Poison Control Center immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** Move to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Seek medical attention if needed.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

**SYMPTOMS:** Eye and skin irritation. Drowsiness and dizziness.

**EFFECTS:** Pain or irritation, coughing, nausea or vomiting, headache, unconsciousness.

**NOTES TO PHYSICIAN:** Treat symptomatically. If large quantities have been ingested or inhaled, contact poison control center immediately.

**5. FIRE FIGHTING MEASURES**

- PERSONAL PRECAUTIONS:** See Section 8
- EXTINGUISHING MEDIA:** Dry chemical, CO2, water spray (fog) or foam.
- FIRE FIGHTING PROCEDURES:** Isolate scene. Use appropriate extinguishing media. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.
- UNUSUAL FIRE HAZARD:** Vapors are heavier than air and may travel along the ground and be ignited by heat, open flame or other ignition sources. Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flames. Closed containers may explode when exposed to extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

## 6. ACCIDENTAL RELEASE MEASURES

- SPILL:** Evacuate all nonessential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate personal protective equipment. Dike around spilled material. Cover spill with inert absorbent material. Use non-sparking tools.
- PERSONAL PRECAUTIONS:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate unnecessary personnel to safe areas. Beware of vapors, accumulating to form explosive concentrations.
- METHOD OF CLEAN UP:** Contain spillage. Absorb with inert dry material and place in appropriate waste disposal container. Dispose of in accordance with all local, State or Federal regulations.

## 7. HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:** Avoid exposure to high temperatures. Do not allow to freeze. This product is stable under normal use and storage conditions. Keep out of reach of children.
- CONDITIONS FOR SAFE STORAGE:** Keep container tightly closed in a dry, cool and well-ventilated area, away from sources of heat, fire or sparks. Do not store in unlabeled containers.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>OEL</u>
ALUMINUM FLAKE	7429-90-5	OSHA PEL: 15 mg/m <sup>3</sup> & ACGIH TWA: 10 mg/m <sup>3</sup> FOR 8 HOUR TWA
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	OSHA PEL: 25 ppm, ACGIH TWA: 20 ppm
sec-BUTYL ALCOHOL	78-92-2	OSHA and ACGIH TWA: 100 pp m
DIETHYLENE GLYCOL	111-46-6	US WEEL TWA 10 mg/m <sup>3</sup>
DIMETHYLETHANOLAMINE	108-01-0	Contains no substances with occupational exposure limit values.
SOLVENT NAPHTHA, MEDIUM ALIPHATIC	64742-88-7	OSHA PEL: 500, ACGIH: 200 mg/m <sup>3</sup> TWA

NL = Not Listed

- ENGINEERING CONTROLS:** Use only with proper ventilation. Use explosion-proof ventilation equipment if necessary.
- PERSONAL PROTECTIVE EQUIPMENT**
- EYES AND FACE:** Safety glasses with side shields or chemical splash goggles.
- SKIN:** Chemical resistant impervious gloves.
- RESPIRATORY:** In case of insufficient ventilation wear suitable respiratory equipment.
- WORK HYGIENIC PRACTICES:** Handle in accordance with good industrial hygiene and safety practice(s). Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.
- OTHER PRECAUTIONS:** Wear impervious clothing and appropriate footwear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**COLOR & PHYSICAL STATE:** Silver liquid

**SPECIFIC GRAVITY:** 1.0705

<b>ODOR:</b>	Characteristic of ammonia.	<b>VAPOR DENSITY:</b>	Heavier than air
<b>ODOR THRESHOLD:</b>	No information available	<b>VAPOR PRESSURE:</b>	No information available
<b>BOILING POINT:</b>	266 deg F	<b>SOLUBILITY IN WATER:</b>	Completely soluble
<b>MELTING POINT:</b>	No information available	<b>PARTITION COEFFICIENT:</b>	No information available
<b>FREEZING POINT:</b>	32 deg F	<b>AUTO IGNITION TEMPERATURE:</b>	No information available
<b>EVAPORATION RATE:</b>	No information available	<b>DECOMPOSITION TEMPERATURE:</b>	No information available
<b>FLAMMABILITY (solid,gas):</b>	Not applicable	<b>FLAMMABILITY LIMITS:</b>	Not applicable
<b>VISCOSITY:</b>	26 - 30" #3 Zahn	<b>FLASH POINT &amp; METHOD:</b>	Not applicable
<b>pH:</b>	>8		

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable under normal conditions.
<b>POSSIBILITY OF REACTION:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>CONDITIONS TO AVOID:</b>	Heat, flames and sparks. Extremes in temperature and direct sunlight.
<b>INCOMPATIBLE MATERIALS:</b>	Avoid contact with strong oxidizing agents, heat and open flames.
<b>DECOMPOSITION PRODUCTS:</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE SIGNS AND SYMPTOMS OF OVEREXPOSURE:

<b>EYE:</b>	Causes serious eye irritation. May cause eye irritation.
<b>SKIN:</b>	Prolonged or repeated skin contact may cause irritation. Allergic reactions are possible.
<b>INHILATION:</b>	Harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. May cause headaches and dizziness. High vapor concentrations are irritating to the eyes, nose, throat and lungs. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Prolonged or excessive inhalation may cause respiratory tract irritation.
<b>INGESTION:</b>	Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.
<b>CHRONIC EFFECTS:</b>	Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. May cause damage to organs through prolonged or repeated over exposure.

### TOXICOLOGICAL INFORMATION

#### ALUMINUM FLAKE (7429-90-5)

Acute oral toxicity:	LD50 Rat - > 2,000 mg/kg
Acute inhalation toxicity:	LC50 Rat - 4 h > 888 mg/l

#### CARBON BLACK (1333-86-4)

Acute oral toxicity	LD50 Rat: >8000 mg/kg
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available

#### DIETHYLENE GLYCOL MONOBUTYL ETHER (112-34-5)

Acute oral toxicity	LD50 (rat, male): 2,410 mg/kg
Acute inhalation toxicity	No data available
Acute dermal toxicity	LD50 (rabbit): 2,764 mg/kg

#### DIETHYLENE GLYCOL (111-46-6)

Acute oral toxicity	Acute toxicity estimate : 1,120 mg/kg
Acute inhalation toxicity	LC50 Rat: > 4.6 mg/l. Exposure time: 4 h
Acute dermal toxicity	LD50 Rabbit: 11,890 mg/kg

#### DIMETHYLETHANOLAMINE (108-01-0)

Acute oral toxicity	LD50 Rat (male and female): 1,182.7 mg/kg
Acute inhalation toxicity	LC50 Rat (male): 6 mg/l Exposure time 4 hours
Acute dermal toxicity	LD50 Rabbit (male and female): 1,219 mg/kg

#### ETHYLENE GLYCOL MONOBUTYL ETHER (111-76-2)

Acute oral toxicity	LD50 (rat): 745 mg/kg
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Acute inhalation toxicity LC50 (rat): 550 pp m. Exposure time: 4 h  
Acute dermal toxicity LD50 (rat): 1,250 mg/kg

**PETROLEUM DISTILLATES, HYDROTREATED LIGHT (64742-47-8)**

Acute oral toxicity LD50 rat: >5,000 mg/kg  
Acute dermal toxicity LD50 Rabbit: >2,000 mg/kg  
Acute inhalation toxicity LC50 rat: >5.2 mg/L 4 hours

**sec-BUTYL ALCOHOL (78-92-2)**

Acute toxicity No Data Available

**SOLVENT NAPHTHA, MEDIUM ALIPHATIC (64742-88-7)**

Acute oral toxicity LD50 Rat: >5,000 mg/kg  
Acute inhalation toxicity No data available  
Acute dermal toxicity LD50 Rabbit: >2,000 mg/kg

**12. ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** Prevent entry into waterways, sewers or confined areas. Do not allow material or used container to contaminate ground water system.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Dispose of in accordance with all local, State and Federal regulations.

**CONTAINER:** Empty containers may contain product residue and should not be reused. Vapors from residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers.

**14. TRANSPORT INFORMATION**

**SPECIAL TRANSPORT PRECAUTIONS:** None known

**UN NUMBER:** Not regulated

**UN PROPER SHIPPING NAME:** -

**DOT HAZARD CLASS:** -

**PACKING GROUP:** -

**ERG #:** -

**MARINE POLLUTANT:** -

**15. REGULATORY INFORMATION**

**TSCA CERTIFICATION:** All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SARA 311/312 HAZARD CATEGORIES:**

**ACUTE HEALTH:** Yes

**CHRONIC HEALTH:** No

**FIRE:** Yes

**PRESSURE GENERATING:** No

**REACTIVE:** No

**SARA 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

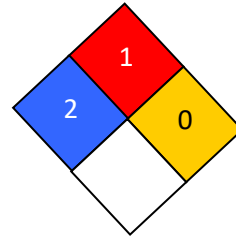
<b>CHEMICAL NAME</b>	<b>CAS NUMBER</b>
ALUMINUM FLAKE	7429-90-5
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2
sec-BUTYL ALCOHOL	78-92-2
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5

**16. OTHER INFORMATION**

REVISION DATE: 09/07/2024

HMIS RATING	
Health :	2
Flammability :	1
Reactivity :	0
Personal Protection :	X

NFPA CODES



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