

**SECTION 1: IDENTIFICATION**

Product identifier used on the label	Gladius
Recommended use of the chemical and restrictions on use	Ceramic coatings degrade over time and can be attacked by undesirable chemicals. This causes the product layer to lose part of its protection, shine and water repellency. For this reason, we created GLADIUS, a ceramic reconstructor developed to restore protection, shine and water repellency on vitrified surfaces. The product can be applied whenever a loss of shine and water repellency is observed in the paint.
Manufactured by	EVC INDUSTRIAL LTDA
Address	Rua Luis Francisco Xavier n.º 520 Paupina - Fortaleza, CE
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Web site	www.vonixx.com.br

SECTION 2: HAZARD(S) IDENTIFICATION**2.1 Classification of mixture**

This product is not hazardous as defined under OSHA 1900.1200

2.2 Appropriate labeling elements

No specific element or phrase on the label.

2.3 Other hazards that do not result in classification

Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Mixture****Hazardous Ingredients or Impurities**

Common chemical name or technical name	CAS Registration Number	Concentration or range
Water	7732-18-5	86.989999999999% - 97.7%
Silicone oil	63148-62-9	1% - 5%
Mixture of aliphatic hydrocarbons	64742-47-8	1% - 5%
Carbomer	9003-01-4	0.1% - 1%
Dihydromyrcenol (2,6-Dimethyloct	18479-58-8	0.1% - 1%
Morpholine	110-91-8	0.1% - 1%
Preservative	26172-55-4	0.001% - 0.01%

SECTION 4: FIRST-AID MEASURE**4.1 Description of first aid measures**

Inhalation	Not available
Skin contact	Not available
Eye contact	Not available
Ingestion	Not available

4.2 Most important symptoms/effects, acute and delayed



Not available

4.3 Indication of any immediate medical attention and special treatment needed

Not available

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Not available

5.2 Special hazards arising from the substance or mixture

Not available

5.3 Special protective equipment and precautions for fire-fighters

Not available

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

6.1.1 For personnel who are not part of the emergency services

Not available

6.1.2 For emergency service personnel

Not available

6.2 Environmental precautions

Not available

6.3 Methods and materials for containment and cleaning up

Not available

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Not available

7.2 Conditions for safe storage, including any incompatibilities

Not available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls Not available

Morpholine (110-91-8)						
ACGIH	TWA: Not available (mg/m³)	TWA: 20 ppm	STEL: Not available (mg/m³)	STEL: Not available (ppm)	(C): Not available (mg/m³)	(C): Not available (ppm)

8.2 Exposure controls

Biological Limit (s) Not available

8.3 Personal protective equipment

Eye/face protection Not available

Skin and body protection Not available

Respiratory protection Not available

Thermal hazards Not available

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	Liquid viscous, Light blue.
Odor and odor threshold	Distinctive
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	≥ 0.98 to 1 g/cm^3 to $25 \text{ }^\circ\text{C}$
Solubility(ies)	Miscible in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Kinematic viscosity	Not available
Dynamic viscosity	≥ 1500 to 3000 cP $25 \text{ }^\circ\text{C}$
Additional information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not available
Chemical stability	The product is chemically stable under standard ambient conditions.
Possibility of hazardous reactions	Not available
Conditions to avoid	High temperatures.
Incompatible materials	Not available
Hazardous decomposition products	No known hazardous products of decomposition

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	Not available
Skin corrosion/irritation	It causes moderate skin irritation with redness and dryness.
Serious eye damage/eye irritation	Not available
Respiratory or skin sensitization	Not available
Germ cell mutagenicity	Not available



Carcinogenicity	Not available
Toxicity to reproduction	Not available
Specific target organ toxicity - single exposure	Not available
Specific target organ toxicity - repeated exposure	Not available
Aspiration hazard	Not available

SECTION 12: ECOLOGICAL INFORMATION**12.1 Ecotoxicity**

Not available

12.2 Persistence and degradability

It is expected that the product does not persist and is quickly degradable.

12.3 Bioaccumulative potential

Unavailable.

Carbomer

Partition coefficient n-octanol /water (log Kow): 0.27 to 20 °C.

Morpholine

Bioconcentration factor (BCF): < 2.8 .

Partition coefficient n-octanol /water (log Kow): -2.55 to 25 °C.

Dihydromyrcenol (2,6-Dimethyloct

Bioconcentration factor (BCF): 64.8 .

Partition coefficient n-octanol /water (log Kow): 3.25 to 40 °C.

12.4 Mobility in soil

Not available

12.5 Other adverse effects

Not available

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product	Not available
Rest of the product	Not available
Used packaging	Not available

SECTION 14: TRANSPORT INFORMATION**Ground transportation**

UN - "United Nations" Recommendations on the TRANSPORT OF DANGEROUS GOODS. Model Regulations

Maritime transport

Rules of maritime authority (NORMAM). NORMAM 01/DPC: vessels employed in open sea navigation. NORMAM 02/DPC: vessels employed in interior navigation. IMO - "International Maritime Organization". International Maritime Dangerous Goods Code (IMDG Code).



Air transport

SUPPLEMENTARY INSTRUCTION - IS. ICAO \"International Civil Aviation Organization\" - Doc 9284-NA / 905. IATA - \"International Air Transport Association\". Dangerous Goods Regulation (DGR).

UN number

Product not classified as hazardous for transport.

SECTION 15: REGULATORY INFORMATION

N/A

SECTION 16: OTHER INFORMATION

References

REACH: REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS. Commission Regulation (EC) No 1272/2008 of December 2008 amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals. Available in: . Access in: 07/25/2025
ECHA: EUROPEAN CHEMICAL AGENCY. Available in: Access in: 07/25/2025
LevelOne: Level One Solutions Consultoria Ltda. Available in: <https://www.levelonesolutions.com.br>. Access in: 07/25/2025

Subtitles and abbreviations

Not available

Other information

This SDS has been prepared on the basis of current knowledge on the proper handling of the product and under normal conditions of use, according to the application specified on the package. Any other use of the product that involves its combination with other materials, in addition to forms of use other than those indicated, are the responsibility of the user. It is advised that the handling of any chemical substance requires prior knowledge of its hazards by the user. At the workplace, the company that uses the product should promote the training of its employees regarding the possible risks arising from exposure to the chemical.