

Safety Data Sheet

Gladiator Blu Pre-Post Activator

3.2 Mixtures

Mixture of the substances listed below with nonhazardous additions.

Hazardous components

1. Urea

Concentration	Not specified
CAS no.	57-13-6

2. Glycerine

Concentration	Not specified
EC no.	200-289-5
CAS no.	56-81-5

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	No special measures required.
If inhaled	Supply fresh air; consult a physician in case of complaints.
In case of skin contact	Generally the product does not irritate the skin.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Drink copious amounts of water and provide fresh air. Consult a physician.
Personal protective equipment for first-aid responders	No further relevant information available.

4.2 Most important symptoms/effects, acute and delayed

No further relevant information available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No further relevant information available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

No further relevant information available.

5.3 Special protective actions for fire-fighters

No special measures required.

Further information

No further relevant information available.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required

6.2 Environmental precautions

No special measures required.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Corrosive to Aluminum.

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Glycerine (CAS: 56-81-5)

2. Urea (CAS: 57-13-6)

3. Glycerol (CAS: 56-81-5 EC: 200-289-5)

TWA (Inhalation): 15 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits(OSHA) - Table Z-1 Limits for Air Contaminants

TWA (Inhalation): 10 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation

PEL (Inhalation): 15 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³, PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³, PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 5 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminant

8.2 Appropriate engineering controls

General industrial hygiene practice.

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8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Eye/Face Protection: Industrial Setting: For splash protection, use chemical goggles. Eye wash fountain is recommended.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests, no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of glove material on consideration of penetration times, rates of diffusion and degradation.

Body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

No special precautions for casual exposure. Ventilation Local Exhaust: None required with normal consumer use. Special: None. Industrial (General): Normal/general dilution ventilation is acceptable.

Thermal hazards

No data available

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid. Blue.
Odor	Mild
Odor threshold	Not determined
pH	2.5
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash point	Not applicable
Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not determined
Upper/lower explosive limits	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	at 20 C (68 F): 1.057 gm/cm (8.821 lbs/gal)
Solubility(ies)	Not difficult to mix
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Product is not self-igniting
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Product does not present an explosion hazard.
Oxidizing properties	

SECTION 10: Stability and reactivity

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10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

Glycerine : Strong bases, Strong oxidizing agents

10.6 Hazardous decomposition products

No dangerous decomposition products known.

Glycerine : Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No further relevant information available.

Skin corrosion/irritation

No irritating effect.

Serious eye damage/irritation

No irritating effect.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC (International Agency for Research on Cancer): None of the ingredients listed.

NTP (National Toxicity Program): None of the ingredients listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients listed.

Reproductive toxicity

No data available

Summary of evaluation of the CMR properties

Carcinogenic categories: IARC (International Agency for Research on Cancer), NTP (National Toxicology Program),

OSHA-Ca (Occupational Safety and Health Administration): None of the ingredients listed.

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STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

May be harmful if swallowed and enters airways

Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No further relevant data available.

SECTION 13: Disposal considerations

Disposal of the product

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Non Household Setting: Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

Disposal of contaminated packaging

Disposal must be made according to official regulations.

Waste treatment

Disposal must be made according to official regulations.

Sewage disposal

Disposal must be made according to official regulations.

Other disposal recommendations

Disposal must be made according to official regulations.

SECTION 14: Transport information

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DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard

Massachusetts Right To Know Components

Glycerol

CAS-No. 56-81-5

Pennsylvania Right To Know Components

Glycerol

CAS-No. 56-81-5

New Jersey Right To Know Components

Glycerol

CAS-No. 56-81-5

California Prop. 65 Components

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

15.2 Chemical Safety Assessment

Keep out of reach of children. Read label before use. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.

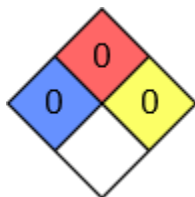
HMIS Rating

Gladiator Blu Pre-Post Activator	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

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NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall BouMatic be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if BouMatic has been advised of the possibility of such damages.

16.2 Preparation information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.