

Material Safety Data Sheet

Product: *Bioni G50.1 (Liquid Component)*

Date of Publication: January 1st 2010

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MSDS-No.: BIL-US-2010-5-2

1. Product and Company Identification

Product Name:

Bioni G50.1 (Liquid Component)

Manufacturer:

Bioni CS GmbH
Lessingstr. 21
D-46149 Oberhausen
Germany
Telephone: +49 208 6217553
Fax: +49 208 6217555

Distributor:

Bioni USA and Americas LLC
2236 72nd Ave East
Sarasota, FL 34243
USA
Telephone: (941) 926 58 81
Fax: (941) 296 74 23

Emergency Telephone Numbers:

Giftnotruf Berlin (24 hours / support in German and English)
Telephone: +49 030 30686790

2. Composition / Information on Ingredients

Chemical Nature of the preparation:

Acrylic copolymer emulsion based on epoxy acrylate resins

Hazardous Components:

			Occupational Exposure Limits		
Ingredient	CAS Number	Weight %	OSHA PEL	NIOSH REL	ACGIH TLV

OSHA: Occupational Safety and Health Administration (US Dept. of Labour)

NIOSH: National Institute for Occupational Safety and Health

ACGIH: American Conference of Governmental Industrial Hygienists

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

TLV: Threshold Limit Value

3. Hazards Identification

Routes of Exposure

EYE and Skin contact with the products, vapor or spray mist.

Effects of Exposure

EYES: may cause eye irritation

SKIN: may cause skin irritation

INHALATION: may be moderate respiratory irritant

INGESTION: Although ingestion is not considered a significant route of exposure, this material may be harmful if ingested.

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4. First Aid Measures

General Information

In all cases of doubt, or when symptoms persist, seek medical advice and show this Safety Data Sheet.

Inhalation

If affected, remove from exposure and seek medical advice.

Skin

Wash skin with soap and plenty of water. Get medical attention if symptoms occur.

Eyes

Flush eyes with large amounts of water for 15 minutes. Get medical attention.

Ingestion

If swallowed, seek medical advice immediately. Do not induce vomiting.

5. Fire Fighting Measures

Flash Point

>212°F (>100°C)

Suitable extinguishing media

Foam, dry chemical(carbon dioxide, dry chemical powder). No water fog.

Protection of Firefighters

Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing.

6. Accidental Release Measures

Personal Precautions

Wear adequate personal protective equipment (see section 8).

Environmental Precautions

Do not allow to enter drains or watercourses.

If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods of Cleaning Up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. Handling and Storage

Handling

Keep area ventilated. Avoid contact with eyes, skin and clothing. For personal protection see Section 8.

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7. Handling and Storage (cont'd)

Storage

Keep container tightly closed when not in use. Store in cool, frost-free, dry and well-ventilated place away from sources of heat and combustible materials. Keep out of reach of children.

Hygiene Practices

Wash thoroughly after handling. Avoid contact with eyes and skin.

8. Exposure Controls / Personal Protection

Occupational Exposure Limits

This product may contain materials classified as nuisance particulates which may be present at hazardous levels only during sanding or abrading of the dried coating film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are:

Ingredient	CAS Number	Weight %	Occupational Exposure Limits		
			OSHA PEL 8-hour TWA	NIOSH REL 10-hour TWA	ACGIH TLV 8-hour TWA
			15 mg/m ³ total dust 5 mg/m ³ respirable fraction		10 mg/m ³ total dust 3 mg/m ³ respirable fraction

Engineering controls and hygienic practices

Ensure adequate ventilation and avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Remove contaminated clothing.

When using do not eat, drink and smoke.

Wash hands after using.

Handle in accordance with good industrial hygiene and safety practice.

Personal protective Equipment:

Respiratory System

Not required in case of sufficient ventilation. When sanding or abrading the dried paint film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying coatings, or the abrasive.

Hand Protection

Use chemical resistant gloves.

Eye Protection

If there is a risk of eye contact wear safety spectacles with unperforated sideshields.

Skin and Body Protection

Use protective clothing.

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9. Physical and Chemical Properties

Form:	liquid
Colour:	bluish - white, opaque
Odour:	characteristical
Flash Point:	>212°F (>100°C)
Boiling Point:	212°F (100°C)
Melting Point:	-
Specific Gravity at 20°C:	1.10 g/cm ³
Water Solubility:	Miscible with water
pH:	4.5 - 5.5
VOC content:	0 g/l

10. Stability and Reactivity

Chemical Stability

Stable in closed containers and under normal conditions of use.

Conditions to Avoid

Heat, flames, incompatible materials and freezing temperatures below 0°C (32 °F).

Materials to avoid

Stable under recommended storage and handling conditions (see section 7).

Hazardous Decomposition Products

None known under normal conditions of storage and use.

11. Toxicological Information

Skin Contact

Contact with skin may result in irritation.

Eye Contact

May be an eye irritant.

Inhalation

No adverse effects expected.

Ingestion

No adverse effects expected.

Toxicological Data

Polymer: LD50/oral/rat=>20000mg/kg

12. Ecological Information

Do not allow to enter drains or watercourses.

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13. Disposal Considerations

Product

Recommendation:

Do not allow to enter drains or watercourses.

Handle disposal of waste material in manner which complies to local, state, province and federal laws and regulations.

Packaging

Recommendation:

Dispose according to local regulations.

14. Transport Information

DOT Hazard Classification: No

IMO/IMDG (Sea) and IATA/ICAO (Air): NON-DANGEROUS GOOD

15. Regulatory Information

TSCA (Toxic Substances Control Act) Certification

TSCA Inventory:

All chemicals in this products are listed, or are exempt from listing, on the TSCA INVENTORY.

SARA (Superfund Amendments and Reauthorization Act of 1986)

TITLE III Section 302

Extremely Hazardous Substances (EHSs) / 40 CFR Part 355:

There are no components present in this product at a level which could require reporting under the statute.

CERCLA (Comprehensive Environmental Response Compensation and Liability Act of 1980)

Hazardous Substances / 40 CFR Part 302.4:

There are no components present in this product at a level which could require reporting under the statute.

EPCRA (Emergency Planning and Community Right-to-Know Act) Section 313 Toxic Chemical Release / 40 CFR Part 372:

There are no components present in this product at a level which could require reporting under the statute.

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15. Regulatory Information (cont'd)

EPCRA (Emergency Planning and Community Right-to-Know Act) Section 311/312 Hazardous Chemical Storage Reporting Requirements / 40 CFR Part 370:

Hazard Category Compensation For Reporting Under Sections 311 and 312
(for this product):

Fire Hazard:	No
Sudden Release of Pressure:	No
Reactive:	No
Immediate (Acute) Health Hazards:	No
Delayed (Chronic) Health Hazard:	No

OSHA (Occupational Safety and Health Standard)

Toxic and Hazardous Substances/ 29 CFR Part 1910 Subpart Z:

There are no components present in this product at a level which could require reporting under the statute.

CLEAN WATER ACT

There are no components present in this product listed.

CLEAN AIR ACT - CAA Section 112(r)

Toxic and Flammable Substances / 40 CFR 68.130

There are no components present in this product listed.

STATE-RIGHT-TO-KNOW:

California Proposition 65

This product contains no "CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE TOXICITY".

Massachusetts Right to Know Substance List (MSL) (105 CMR Section 670.000)

There are no components present in this product at a level which could require reporting under the statute.

Pennsylvania Right to Know Hazardous Substance List

There are no components present in this product at a level which could require reporting under the statute.

California SCAQMD (South Coast Air Quality Management District)

Rule 443.1: VOC's (Volatilic Organic Compounds)

This product contains 0% by weight VOC.

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15. Regulatory Information (cont'd)

CANADA

DSL (Domestic Substances List)

All chemicals in this products are listed on the DSL.

WHMIS (Workplace Hazardous Materials Information System)

Ingredient Disclosure List

There are no components present in this product at a level which could require reporting under the statute.

NPRI (National Pollutant Release Inventory)

There are no components present in this product at a level which could require reporting under the statute.

16. Other Information

The information in this MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, REGARDING ITS CORRECTNESS.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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