



# S A F E T Y   D A T A   S H E E T

According to regulation (EC) No 7091/6002 (REACH)

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## 1. Identification of the substance / preparation and of the company / undertaking:

Trade Name	BG Flex- 48H
Use of the preparation	Alkali-soluble acrylic copolymer emulsion for use as a binder in water based printing inks.
Company Address Contact	B.G. (Israel) Technologies Ltd. Kibbutz Bet Govrin 79370 Israel Tel: 972-8-6874236 Fax: 972-8-6874235 dafna_f@b-gtech.com

## 2. Hazards Identification:

Health Hazards	No known health hazards.
Human Risks	No specific risks. Xi & R 36 slight irritant.
Environmental Risks	No specific risks.
Others	Non-Hazardous goods in accordance with EC transport regulations.

## 3. Composition/Information on Ingredients:

Preparation Description	Acrylic Copolymer in aqueous dispersion	45± 1% WT
	Water	55 ± 1% WT
	Individual residual monomers	< 0.1 % WT
Hazardous Ingredients	None.	

## 4. First Aid Measures:

Effects of overexposure - Inhalation - Ingestion - Eyes - Skin	Inhalation of vapor or mist can cause headache, irritation of nasal passages, throat, or lungs in a closed space. Material is harmless if ingested in small amounts. Direct contact with eyes can cause slight irritation. Prolonged or repeated contact can cause slight irritation.
First Aid procedures - Inhalation - Ingestion - Eyes - Skin	Expose patient to fresh air. Consult a physician. Give patient 2 glasses of water to drink. Consult a physician. Flush eyes with water for 15 minutes. Consult physician. Wash area with soap and water. Consult a physician.
Contaminated Clothing	Remove and launder before re-use.



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## 5. Fire Fighting Measures:

Risks	Non-combustible aqueous dispersion.
Measures	Not applicable.

## 6. Accidental Release Measures:

Personal precautions - Respiratory protection - Eye/face/skin protection	Follow section 8 indications. Avoid eye/face contact.
Environmental precautions - Corrective action - Disposal	Confine area of spill. Follow section 13 indications.
Clean-up methods - Small spill or leak - Large spill or leak	In accordance with local regulations: Clean with water and send to waste disposal. Absorb with dry sand or other inert material and send to waste disposal.

## 7. Handling and Storage:

Handling - Temperature - Washing facilities - Cleaning facilities	In accordance with chemical products handling precautions. 5°-35° C. Emergency eye and adequate washing facilities. Skin cleaners available.
Storage - Area - Temperature - Empty drums	Indoor/Outdoor store in original containers in <u>shade</u> . Protect from freezing. Follow section 13 indications.

## 8. Exposure Controls/ Personal Protections:

Respiratory protection	Avoid inhalation of vapors. Use adequate respiratory equipment.
Hand protection	Wear rubber or synthetic gloves.
Eye/Face protection	Safety eye wear against splash.
Skin protection	Prevent contact with contaminated clothing.



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## 9. Physical and Chemical Properties:

Appearance	Milky
Odor	Slightly plastic smell
PH	4.0-5.0
Boiling point at 101.3 kPa, °C	100 (water)
Melting Range °C	0° (water)
Vapor pressure at 25°C mmHg	23 (water)
Solubility in water at 25°C	Miscible at any ratio
Viscosity at 25°C, cps. Brookfield LVT 2/30	25-125
Volatile % by weight	55±1%
Minimum Film Formation Temperature	+31°C

## 10. Stability, Reactivity and Storage:

Stability	Stable under normal use, 3°C < temperature < 30°C.
Reactivity	No reactivity.
Storage	Stable 12 month from production date under recommended storage condition.

## 11. Toxicological Information:

Our experience has shown no risk to health if handled and processed according to recommendations.

## 12. Ecological Information:

Does not inhibit degradation activity in activated sludge when introduced properly in low concentrations - abiotic processes. Local effluent regulations should be followed.

## 13. Disposal Considerations:

Waste Disposal method	Controlled incineration.
Empty Drums disposal method	Disposal by reputable drum conditioner.



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## 14. Transport Information:

UN #	None
By Land (ADR), Sea (IMDG), Plane (IATA)	Non-Hazardous goods.

## 15. Regulatory Information:

Non-hazardous goods under EC regulations.
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## 16. Other Information:

Distribution	Distribution advisable to personnel handling product.
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