SAFETY DATA SHEET

Moyra

Moyra Flexi Bases

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Moyra Flexi Bases (Clear, Hard, Baby Rose, Baby Pink, Milky

White, Fiber baby White)

Product code: -

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance/mixture: Not applicable.

1.3. Details of the supplier of the safety data sheet

Benevia Ltd.

Kereskedők útja 7.

Budaörs, 2040, Hungary

Telephone: (+36) 23783668

Email: info@benevia.hu

1.4. Emergency telephone number

National advisory body/Poison Centre

Telephone number: 112 (emergency number)

Supplier

Telephone number: (+36) 23783668

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Hungarian Health Toxicology Information Service:

Telephone number: (+36) 80 201199

Address: 1096 Budapest, Nagyvárad tér 2.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317

Ingredients of unknown toxicity: Percentage of the mixture consisting of

ingredient(s) of unknown toxicity: 75.3%

Ingredients of unknown ecotoxicity: Percentage of the mixture consisting of

ingredient(s) of unknown hazards to the

aquatic environment: 66.7%

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2. Label elements on bulk product

Hazard pictograms:



Signal words: Warning

Hazard statements: Causes skin irritation.

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Causes serious eye irritation.

May cause an allergic skin reaction.

Precautionary statements:

Not applicable General:

Obtain special instructions before use. Wear protective Prevention:

gloves. Wear eye or face protection. Wear protective

clothing.

IF exposed or concerned: Get medical attention. IF IN EYES: Response:

Rinse cautiously with water for several minutes.

Store locked up. Storage:

Disposal: Dispose of contents and container in accordance with all

local, regional, national and international regulations.

Supplemental label elements: Not applicable.

Annex XVII - Restrictions: Not applicable.

on the manufacture, placing on the market and use of certain dangerous

substances, mixtures and articles

Special packaging requirements

Containers to be fitted

with child-resistant fastenings: Not applicable.

Tactile warning of danger: Not applicable.

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2.3. Other hazards

Other hazards which do not result in classification: None known.

SECTION 3: Composition /. information on ingredients

3.2 Mixtures

Hazardous ingredients:

Product/ingredient name	INCI Name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Туре
Polyurethane Acrylate Oligomer	Di-HEMA trimethylhexyl dicarbamate*	EC, CAS: Exempt	≥25 - ≤50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin	[1]
2-hydroxyethyl methacrylate	HEMA	EC: 212-782-2 CAS: 868-77-9 Index: 607-124-00-X	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	[1]
Isobornyl methacrylate	Isobornyl methacrylate	EC: 231-403-1 CAS: 7534-94-3	≤10	Aquatic Chronic 4, H413	[1]
TPO	Trimethylbenzoyl diphenylphosphine oxide	EC: 278-355-8 CAS: 75980-60-8 Index: 015-203-00-X	≤5	Repr. 2, H361f	[1]
Ethylene glycol dimethacrylate	Glycol HEMA- methacrylate	EC: 202-617-2 CAS: 97-90-5 Index: 607-114-00-5	≤3	Skin Sens. 1, H317 STOT SE 3, H335	[1]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless

stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the

upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable

for breathing. If not breathing, if breathing is irregular or if respiratory

arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be

kept under medical surveillance for 48 hours.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing

and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes

thoroughly before reuse.

Ingestion:

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2. Most important symptoms and effects, both acute and delayed

Potencial acute health effects

Eye contact: Causes serious eye irritation.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:

pain or irritation watering redness

4.3. Indication of any immediate medical attention and special treatment needed

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Notes to physician: In case of inhalation of decomposition products in a fire,

symptoms may be delayed. The exposed person may need to

be kept under medical surveillance for 48 hours.

Specific treatments: No specific treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the

surrounding fire.

Unsuitable extinguishing media: None known.

5.2. Special hazards arishing from the substance or mixture

Hazards from the substance or mixture:

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products:

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

nitrogen oxides

phosphorus oxides

5.3. Advice for fire-fighters

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Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2. Enviromental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Small spill:

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill:

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4. Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1. Precautions for safe handling

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not

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get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Shield UV light sources. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.

Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3. Specific end use(s)

Recommendations: Not available.

Industrial sector specific: Not available.

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SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1. Control parameters

Occupational exposure limits

No exposure limit value known.

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available.

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8.2. Exposure controls

Appropriate engineering controls:

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

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Skin protection

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<u>Appearance</u>

Physical state: Liquid.

Color: Several colours exist

Odor: Not available.

Melting point/freezing point: Not available.

Initial boiling point and

boiling range:

Not available.

Flash point: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Relative density: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not available.

9.2. Other information

Other information: No data available.

SECTION 10: Toxicological information

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerization may occur under certain conditions of storage or use. These could cause the product to polymerize exothermically. Unintentional contact with them should be avoided.

10.4. Conditions to avoid

No specific data.

10.5. Incompatible materials

No specific data.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-hydroxyethyl methacrylate	LD50 Oral	Rat	5050 mg/kg	-
Ethylene glycol	LD50 Oral	Rat	3300 mg/kg	-
dimethacrylate				

Acute toxicity estimates

Not available.

Specific target organ toxicity (single exposure)

Product/ingredient	Category	Route of	Target organs
name		exposure	
Ethylene glycol	Category 3	Not applicable.	Respiratory tract
dimethacrylate			irritation

Information on the likely routes of exposure:

Not available.

Potential acute health effects

Eye contact: Causes serious eye irritation.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

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Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following:

pain or irritation

watering redness

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate Not available.

effects:

Potential delayed effects: Not available.

Long term exposure

Potential immediate Not available.

effects:

Potential delayed effects: Not available.

Not available. Potential chronic health effects:

General: Once sensitized, a severe allergic reaction may

occur when subsequently exposed to very low

levels.

No known significant effects or critical hazards. Carcinogenicity: No known significant effects or critical hazards. Mutagenicity: Teratogenicity: No known significant effects or critical hazards. Developmental effects: No known significant effects or critical hazards.

Fertility effects: Suspected of damaging fertility.

Other information: Not available.

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SECTION 12: Ecological information

12.1. Toxicity

Product/ingredient	Result	Species	Exposure
name			
2-hydroxyethyl methacrylate	Acute LC50 227000 μg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours

12.3. Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-hydroxyethyl methacrylate	0.42	-	low
Isobornyl methacrylate	5.09	-	high
TPO	-	53 to 72	low
Ethylene glycol dimethacrylate	1.87	-	low

12.4. Mobility in soil

Soil/water partition

Not available.

coefficient (KOC):

Mobility: Not available.

12.5. Results of PBT and vPvB assessment

Not applicable. PBT: Not applicable. vPvB:

12.6. Other adverse effects

Other adverse effects: No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available usespecific information provided in the Exposure Scenario(s).

13.1. Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimized

wherever possible. Disposal of this product, solutions and

any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable

products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities

with jurisdiction.

Hazardous waste: The classification of the product may meet the criteria for

a hazardous waste.

Packaging

Methods of disposal: The generation of waste should be avoided or minimized

> wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when

recycling is not feasible.

Special precautions: This material and its container must be disposed of in a

> safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff

and contact with soil, waterways, drains and sewers.

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SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper	-	-	-	-
shipping name				
14.3 Transport	-	-	-	-
hazard class(es)				
14.4 Packing	-	-	-	-
group				
14.5	No.	No.	No.	No.
Environmental				
hazards				
Additional	-	-	-	-
information				

14.6 Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not available.

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable.

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other EU regulations

Europe inventory: All components are listed or exempted.

Priority List Chemicals: Not determined

(793/93/EEC)

Product/ingredient	Carcinogenic	Mutagenic	Developmental	Fertility effects
name	effects	effects	effects	
TPO	-	-	-	Repr. 2, H361f
				(Fertility, causing
				atrophy of the
				testes)

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Seveso Directive

This product is not controlled under the Seveso Directive.

15.2. Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Abbreviations and acronyms:

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation (Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 2, H361f (Fertility)	Calculation method

Full text of abbreviated H statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H361f Suspected of damaging fertility.

(Fertility)

H361f Suspected of damaging fertility. (causing atrophy of the testes)

(Fertility, causing atrophy of the testes)

H413 May cause long lasting harmful effects to aquatic life.

Full text of classifications [CLP/GHS]:

Aquatic Chronic 4, H413 AQUATIC HAZARD (LONG-TERM) - Category 4

Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 Repr. 2, H361f (Fertility) TOXIC TO REPRODUCTION (Fertility) - Category 2

Repr. 2, H361f (Fertility, TOXIC TO REPRODUCTION (Fertility, causing atrophy of the

testes) –

causing atrophy of the Category 2

testes)

Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1
STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE

EXPOSURE) (Respiratory tract irritation) - Category 3

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revision

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Legal disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are describedherein, we cannot guarantee that these are the only hazards that exist.

Information contained within this SDS is only to be distributed as required by law.

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