

1. Identification of the Substance/Preparation and of the Company/Undertaking**Product identifier****Product Name** ISOLATEK[®] Type EBS Black**Other means of identification****Product Code(s)** 2-370ND-02
Document Bond-Seal Type EBS Black

None

Adhesives and/or sealants. FOR INDUSTRIAL USE ONLY.

Restrictions on use: Do not use this product for any use other than intended

Manufacturer's AddressKey Polymer Corporation
17 Shepard Street
Lawrence, MA 01843, USA**Company Phone Number****Emergency Telephone****Supplier's Address**ISOLATEK International
41 Furnace Street
Stanhope, NJ 07874, USA
Toll Free 1-800-631-9600
Chemtrec 1-800-424-9300 (24 Hours)**2. Hazards Identification****Classification**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS).

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Opaque Black**Physical state** Liquid**Odor** Mild acrylic odor**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

Precautionary Statements - Storage

Keep from freezing

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/regional/international regulations

Hazards Not Otherwise Classified (HNOC)**Other Information**

52.75324575% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients**Substance**

Chemical Family Water Based Coating
Chemical nature Aqueous solution of a polymer.

Chemical name	CAS No.	Weight-%	Trade secret
Carbon Black	1333-86-4	1 - 5	*

* The exact percentage (concentration) of composition may have been withheld as a trade secret.

4. First Aid Measures**Description of first aid measures**

General advice Use first aid treatment according to the nature of the injury. For further assistance, contact your local Poison Control Center. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation Remove to fresh air.

Ingestion Treat symptomatically. Get medical attention.

Self-protection of the first aider Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms N/A.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-Fighting Measures**Suitable Extinguishing Media**Dry chemical, CO₂, water spray or regular foam

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Keep cool with water. Sealed container may rupture.

Hazardous combustion products

Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See Section 10 Hazardous Decomposition Products for additional information.

Explosion data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

Cool containers with flooding quantities of water until well after fire is out. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Extremely slippery when spilled.

For Emergency Responders Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep out of the reach of children. Keep from freezing. Keep containers tightly closed in a dry, cool and well-ventilated place. Minimize contact with air to reduce contamination with mold, fungus or other organisms which could cause decomposition or spoilage.

Incompatible materials Strong acids. Strong oxidizing agents. Strong bases.

8. Exposure Controls/Personal Protection

Control parameters**Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Carbon Black 1333-86-4	TWA: 3 mg/m ³ inhalable particulate matter	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

Appropriate engineering controls

Engineering controls
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Use personal protective equipment as required.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild acrylic odor
Appearance	Opaque	Odor threshold	N/A
Color	Black		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.2	
Melting point / freezing point	0 °C	
Boiling point / boiling range	100 °C	
Flash point	> 100 °C	CC (closed cup)
Evaporation rate	slower than n-butyl acetate	
Flammability (solid, gas)	N/A	
Flammability Limit in Air		
Upper flammability limit:	N/A	
Lower flammability limit:	N/A	
Vapor pressure	~18 mmHg @ 20°C	
Vapor density	N/A	
Relative density	1.09	
Water solubility	Dispersible	
Solubility in other solvents	N/A	
Partition coefficient	N/A	
Autoignition temperature	N/A	
Decomposition temperature	N/A	
Kinematic viscosity	N/A	
Dynamic viscosity	N/A	
Explosive properties	Not an explosive	
Oxidizing properties	N/A	

Other Information

Softening point	N/A
Molecular weight	N/A
VOC Content (%)	N/A
Liquid Density	9.1 pounds/gallon
Bulk density	N/A

10. Stability and Reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Keep out of reach of children. Incompatible materials. Freezing temperatures.

Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

Hazardous decomposition products

Carbon oxides. Hydrocarbons. May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on likely routes of exposure

Product Information	The product has not been tested
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye contact	Vapor may cause irritation.
Skin contact	PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.
Ingestion	Not an expected route of exposure. Ingestion of this material may cause gastrointestinal irritation.
Component Information	Caution - This preparation contains a substance not yet fully tested

Chemical name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Carbon Black 1333-86-4	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-

Information on toxicological effects

See Section 11: TOXICOLOGICAL INFORMATION.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Repeated or prolonged contact may cause skin irritation and dermatitis.
Irritation	PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.
Corrosivity	None.
Sensitization	N/A.
Germ cell mutagenicity	N/A.
Carcinogenicity	Carbon Black (CAS 1333-86-4) poses extremely low respirable carcinogenic risk when encapsulated in a polymeric liquid. If sanding or grinding cured product, wear appropriate personal protective equipment for respirable dust hazards.

Chemical name	ACGIH	IARC	NTP	OSHA
Carbon Black 1333-86-4	A3	Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity N/A.

STOT - single exposure N/A.
 STOT - repeated exposure N/A.
 Aspiration hazard N/A.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 52.75324575% of the mixture consists of ingredient(s) of unknown toxicity
 The following values are calculated based on chapter 3.1 of the GHS document
 ATEmix (dermal) 50,292.30 mg/kg

12. Ecological Information

Ecotoxicity

N/A
 0.001 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Carbon Black 1333-86-4			5600: 24 h Daphnia magna mg/L EC50

Persistence and degradability

N/A

Other adverse effects

N/A

13. Disposal Considerations

Waste treatment methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

14. Transport Information

Note: PROTECT FROM FREEZE

DOT Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory Information

International Inventories

TSCA All components of this product are either exempt or included on the TSCA Inventory in compliance with the Toxic Substances Control Act.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

The following chemicals may be contained in this product in de minimis amounts not required for listing in section 3. However, these chemicals do appear on some state Right-to-Know (RTK) and/or other hazardous substance lists. Please check your state's listings for more information.

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Carbon Black - 1333-86-4	Carcinogen

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Carbon Black 1333-86-4	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other Information

<u>NFPA</u>	Health hazards 1	Flammability 1	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health hazards 1	Flammability 1	Physical hazards 0	Personal Protection X

Prepared By Key Polymer Corp Compliance
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Revision Note

N/A

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet