

## Material Safety Datasheet

Detergent Chemicals

# EBCATHICK 3020

Edition 03-2021

### 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product Name: EBCATHICK 3020

Identified uses: Used in the Rheology modifier

Recommended use of the chemical and restrictions on use

Supplier Details: Egyptian British Co. | 2nd industrial zone Block no. 161-165, 6th of October city, Egypt

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### 2. HAZARDS IDENTIFICATION

Hazard classification: This material is not hazardous.

Other hazards: No data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Acrylic copolymer

This product is a mixture.

Component: Acrylic polymer(s)

CASRN: Not hazardous

Concentration:  $\geq 29.5 - 30.5\%$

Viscosity (Brookfield; 25°C)

Residual monomers: Not required

Water: 7732-18-5

### 4. FIRST AID MEASURES

Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Skin contact: Wash off with plenty of water.

Eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Ingestion: No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media: To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Combustion products may include and are not limited to: Carbon dioxide. Carbon monoxide.

Unusual Fire and Explosion Hazards: Material can splatter above 100°C/212°F. This material will not burn until the water has evaporated. Residue can burn.

Advice for firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Contain fire water run-off if possible.

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep people away from and upwind of spill/leak. Material can create slippery conditions.

Environmental precautions: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods and materials for containment and cleaning up: Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Conditions for safe storage: Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.

Storage stability

Storage temperature: 1 - 49 °C (34 - 120 °F)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Exposure limits have not been established for those substances listed in the composition, if any have been disclosed.

Exposure controls

Engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use safety glasses (with side shields).

Skin protection

Hand protection: Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinylchloride ("PVC" or "vinyl").

Avoid gloves made of: Polyvinyl alcohol ("PVA"). NOTICE: The selection of a specific glove for a particular application and duration of use in a work place should also take into account all relevant work place factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other protection: Wear clean, body-covering clothing.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator.

The following should be effective types of air-purifying respirators: Particulate filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

• Appearance	Liquid
• Colour	White Milky
• Odour	Mild odor
• Odor Threshold	No data available
• Melting point/range	0 °C ( 32 °F) Water
• Boiling point (760 mmHg)	100.00 °C ( 212.00 °F) Water
• pH	1.5 – 3
• Flash point	Noncombustible
• Evaporation Rate (Butyl Acetate = 1)	<1.00 Water
• Vapor Pressure	17.0000000 mmHg at 25.00 °C (77.00 °F) Water17.0000000 mmHg at 25.00 °C (77.00 °F) Water
• Water solubility	Dilutable
• Relative Density (water = 1)	1.0000 - 1.2000
• Dynamic Viscosity	40.000 mPa.s
• Relative Vapor Density (air = 1)	<1.0000 Water

Product name: EBCATHICK 3020

Percent volatility 69.50 - 70.50 % Water

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable

Possibility of hazardous reactions: Product will not undergo polymerization.

Conditions to avoid: No data available .

Incompatible materials: There are no known materials which are incompatible with this product.

Hazardous decomposition products: No data available

## 11. TOXICOLOGICAL INFORMATION

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Toxicological information appears in this section when such data is available.

Acute toxicity

Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amount

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

For this family of materials:

LD50, Rabbit, male, > 5,000 mg/kg

Acute inhalation toxicity

No adverse effects are anticipated from single exposure to mist.

For this family of materials:

LC50, Rat, males, 1 hrs, dust/mist, > 15.23 mg/l No deaths occurred at this concentration

Skin corrosion/irritation

Brief contact is essentially nonirritating to skin.

Prolonged contact may cause slight skin irritation with local redness.

Serious eye damage/eye irritation

May cause slight temporary eye irritation. Corneal injury is unlikely.

Sensitization

For this family of materials:

Did not cause allergic skin reactions when tested in humans.

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization: No relevant information found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Available data are inadequate to determine single exposure specific target organ toxicity.

Specific Target Organ Systemic Toxicity (Repeated Exposure)

No relevant data found.

Carcinogenicity

No relevant information found.

Teratogenicity

No relevant information found.

Reproductive toxicity

No relevant information found.

Mutagenicity

For this family of materials: In vitro genetic toxicity studies were predominantly negative.

Aspiration Hazard

Based on available information, aspiration hazard could not be determined

## 12. ECOLOGICAL INFORMATION

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Ecotoxicological information appears in this section when such data is available.

Toxicity

Acute toxicity to fish

Material is practically non-toxic to aquatic organisms on an acute basis

(LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

For this family of materials:

LC50, Lepomis microchirus (Bluegill sunfish), 96 hrs, > 1,000 mg/l

For this family of materials:

LC50, Oncorhynchus mykiss (rainbow trout), 96 hrs, > 100 mg/l

For this family of materials:

LC50, Rainbow trout (Salmo gairdneri), 96 hrs, > 1,000 mg/l

Acute toxicity to aquatic invertebrates

For this family of materials:

EC50, water flea Daphnia magna, 48 hrs, > 100 mg/l

## 13. DISPOSAL CONSIDERATIONS

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Disposal methods: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

Acute toxicity to algae/aquatic plants

For this family of materials:

Growth rate EC50, Selenastrum capricornutum (green algae), 72 hrs, Growth rate, > 1,000 mg/l, OECD Test Guideline 201

Toxicity to bacteria

For this family of materials:

EC50, activated sludge, 3 Hour, Respiration rates., > 100 mg/l, OECD Test Guideline 209

Persistence and degradability

Biodegradability: No relevant data found.

Bioaccumulative potential

Bioaccumulation: No relevant data found.

Mobility in soil

No relevant data found.

#### 14. TRANSPORT INFORMATION

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DOT

Not regulated for transport

Classification for SEA transport (IM O-IM DG):

Not regulated for transport

Transport in bulk

according to Annex I or II

of MARPOL 73/78 and the

IBC or IGC Code

Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

#### 15. REGULATORY INFORMATION

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OSHA Hazard Communication Standard

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

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.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

This material does not contain any components with a CERCLA RQ.

Pennsylvania

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

California (Proposition 65)

This product contains trace levels of a component or components known to the state of California to cause cancer:

Components CASRN

Ethyl acrylate 140-88-5

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

#### 16. OTHER INFORMATION

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Hazard Rating System

HMIS Health :1 Flammability: 0 Physical

Hazard : 0

Revision

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Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

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