

# Safety Data Sheet

ISSUE DATE: September 2013

REVISION DATE: January 2022

VERSION: 1

## 1. IDENTIFICATION

### PRODUCT IDENTIFIER

PRODUCT NAME: BESHET ONYX 39

### OTHER MEANS OF IDENTIFICATION

SDS Number E-060

UN/ID No UN1760

Recommended Uses: Not determined

### SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS Beshet Supply  
3600 West Jarvis Avenue  
Skokie, IL 60076

### EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (847) 679-2600

COMPANY FAX NUMBER

24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)

NORTH AMERICA 1-800-633-8253

INTERNATIONAL PERS 1-801-629-0667

## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION

Skin corrosion/irritation Category 1 Sub-category B  
Serious eye damage/eye irritation Category 1

SIGNAL WORD: Danger

### HAZARD STATEMENTS



HAZARD STATEMENTS Causes severe skin burns and eye damage

APPEARANCE: Liquid

PHYSICAL STATE: Liquid

### PRECAUTIONARY STATEMENTS

PREVENTION Do not breathe dust/fume/gas/mist/vapors/spray  
Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

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<b>RESPONSE</b>	Immediately call poison center or doctor/ physician.
<b>IF SWALLOWED:</b>	Rinse mouth. Do NOT induce vomiting
<b>IF IN EYES:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a poison center or doctor/physician
<b>IF ON SKIN/HAIR:</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse
<b>IF INHALED:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a poison center or doctor/physician
<b>IF EXPOSED/CONCERNED:</b>	Get medical advice/ attention.
<b>STORAGE</b>	Store locked-up. Keep away from children.
<b>DISPOSAL</b>	Dispose of contents/container to an approved waste disposal plant.
<b>HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)</b>	N/A
<b>OTHER INFORMATION</b>	Harmful to aquatic life with long lasting effects.
<b>UNKNOWN ACUTE TOXICITY</b>	N/A

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Sodium metasilicate pentahydrate	10213-79-3	1-5
Monoethanolamine	141-43-5	1-5
Alcohol Ethoxylate	68439-46-3	1-5
Tetrasodium EDTA	64-02-8	1-5
Isopropyl Alcohol	67-63-0	0.1-0.5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### DESCRIPTION OF FIRST AID MEASURES

<b>GENERAL ADVICE</b>	Immediately call a poison center or doctor/physician.
<b>EYE CONTACT</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

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<b>SKIN CONTACT</b>	Wash off immediately with plenty of water. If skin irritation occurs: Get medical advice/attention. Remove and wash contaminated clothing before reuse.
<b>INHALATION</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
<b>INGESTION</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious give 2 glasses of water to dilute. Get medical attention.

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## POTENTIAL ACUTE HEALTH EFFECTS

*Most important symptoms and effects, both acute and delayed*

**SYMPTOMS** Causes severe skin burns and eye damage.

**NOTES TO PHYSICIAN** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**UNSUITABLE EXTINGUISHING MEDIA** None known

**SPECIFIC HAZARDS ARISING FROM CHEMICAL** Product is not flammable or combustible.

## PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

<b>PERSONAL PRECAUTIONS</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Ventilate area of leak or spill.
<b>ENVIRONMENTAL PRECAUTIONS</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

### METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

<b>CONTAMINATION</b>	Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an inert (i.e. vermiculite, dry sand or earth) absorbent material.
<b>CLEAN-UP</b>	Sweep up and shovel into suitable containers for disposal. For waste disposal, see section 13 of the SDS.

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## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**PROTECTIVE MEASURES** Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

### CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

**STORAGE CONDITIONS** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

**INCOMPATIBLE MATERIALS** Strong oxidizing agents. Acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium metasilicate pentahydrate <b>10213-79-3</b>	-	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	-
Monoethanolamine <b>141-43-5</b>	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m <sup>3</sup> (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m <sup>3</sup> (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m <sup>3</sup>	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>
Isopropyl Alcohol <b>67-63-0</b>	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

**ENGINEERING CONTROLS:** Apply technical measures to comply with the occupational exposure limits. Showers Eyewash stations Ventilation systems.

### INDIVIDUAL PROTECTION MEASURES

**EYE/FACE PROTECTION** Chemical safety goggles/faceshield. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**SKIN/BODY PROTECTION** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

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**RESPIRATORY PROTECTION** If necessary, wear a MSHA/NIOSH-approved respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

**GENERAL HYGIENE** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Liquid
<b>APPEARANCE</b>	Clear
<b>COLOR</b>	Green
<b>ODOR</b>	None
<b>ODOR THRESHOLD</b>	Not determined
<b>pH</b>	13.23
<b>MELTING POINT/FREEZING POINT</b>	Not determined
<b>BOILING POINT/BOILING RANGE</b>	Not determined
<b>FLASH POINT</b>	Not determined
<b>EVAPORATION RATE</b>	Not determined
<b>FLAMMABILITY (SOLID, GAS)</b>	Not determined
<b>UPPER FLAMMABILITY LIMITS</b>	Not determined
<b>LOWER FLAMMABILITY LIMITS</b>	Not determined
<b>VAPOR PRESSURE</b>	Not determined
<b>SPECIFIC GRAVITY</b>	1.03
<b>RELATIVE DENSITY</b>	Not determined
<b>WATER SOLUBILITY</b>	Not determined
<b>PARTITION COEFFICIENT</b>	Not determined
<b>N-OCTANOL/ WATER</b>	Not determined
<b>AUTO-IGNITION TEMPERATURE</b>	Not determined
<b>DECOMPOSITION TEMPERATURE</b>	Not determined
<b>VISCOSITY</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>REACTIVITY</b>	Not reactive under normal conditions
<b>CHEMICAL STABILITY</b>	Stable under recommended storage conditions
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	None under normal processing
<b>CONDITIONS TO AVOID</b>	Keep out of reach of children
<b>INCOMPATIBLE MATERIALS</b>	None known based on information supplied.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	None known based on information supplied.

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## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

<b>EYE CONTACT</b>	Causes severe eye damage.
<b>SKIN CONTACT</b>	Causes severe skin burns.
<b>INHALATION</b>	Inhalation may cause irritation or burning to mucous membranes.
<b>INGESTION</b>	Can cause irritation and corrosive burns to mouth, throat, and stomach.

### COMPONENT INFORMATION

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Sodium metasilicate pentahydrate <b>10213-79-3</b>	= 847 mg/Kg (rat)	-	-
Monoethanolamine <b>141-43-5</b>	= 1720 mg/kg ( Rat )	= 1 mL/kg ( Rabbit ) = 1000 mg/kg ( Rabbit )	-
Alcohol Ethoxylate <b>68439-46-3</b>	= 1378 mg/kg ( Rat ) = 1400 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	-
Tetrasodium EDTA <b>64-02-8</b>	= 10 g/kg ( Rat ) = 1658 mg/kg ( Rat )	-	-
Isopropyl Alcohol <b>67-63-0</b>	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m3 ( Rat ) 4 h

**SYMPTOMS** Please see section 4 of this SDS for symptoms.

**CARCINOGENICITY** Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens". IPA is classified as an IARC Group 1 chemical ONLY when manufactured by the strong-acid process. The IPA used in this product is NOT manufactured by the strong-acid process and is therefore not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol <b>67-63-0</b>		Group 3		X

### LEGEND

<b>IARC</b>	(International Agency for Research on Cancer)
<b>Group 3</b>	IARC components are "not classifiable as human carcinogens"
<b>OSHA</b>	(Occupational Safety and Health Administration of the US Department of Labor)
<b>X</b>	Present

### NUMERICAL MEASURES OF TOXICITY-PRODUCT

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	7,967.00 mg/kg
<b>ATEmix (dermal)</b>	18,128.00 mg/kg

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY** Harmful to aquatic life with long lasting effects.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	CRUSTACEA
Monoethanolamine <b>141-43-5</b>	15: 72 h Desmodesmus subspicatus mg/L EC50	3684: 96 h Brachydanio rerio mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 227: 96 h Pimephales promelas mg/L LC50 flow-through 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static	65: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA <b>64-02-8</b>	1.01: 72 h Desmodesmus subspicatus mg/L EC50		610: 24 h Daphnia magna mg/L EC50
Isopropyl Alcohol <b>67-63-0</b>	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50		13299: 48 h Daphnia magna mg/L EC50

**PERSISTENCE AND DEGRADABILITY** Not determined

**BIOACCUMULATION** Not determined

### MOBILITY

Chemical Name	Partition Coefficient
Monoethanolamine <b>141-43-5</b>	-1.91
Isopropyl Alcohol <b>67-63-0</b>	0.05

**OTHER ADVERSE EFFECTS** Not determined

## 13. DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

<b>WASTE DISPOSAL</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>CONTAMINATED PACKAGING</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

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CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE STATUS
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Isopropanol Alcohol	Toxic
67-63-0	Ignitable

## 14. TRANSPORT INFORMATION

**NOTE** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Based on package size, product may be eligible for limited quantity exception.

### DOT

UN/ID No	UN1760
Proper Shipping Name	Corrosive liquid, n.o.s. (Ethanolamine, Sodium metasilicate)
Hazard Class	8
Packing Group	II

### IATA

UN/ID No	UN1760
Proper Shipping Name	Corrosive liquid, n.o.s. (Ethanolamine, Sodium metasilicate)
Hazard Class	8
Packing Group	II

### IMDG

UN/ID No	UN1760
Proper Shipping Name	Corrosive liquid, n.o.s. (Ethanolamine, Sodium metasilicate)
Hazard Class	8
Packing Group	II



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## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium metasilicate pentahydrate	X				X		X		X	
Monoethanolamine	X	X	X	Present	X	Present	X	X	X	X
Alcohol Ethoxylate	X	X		Present	X	Present	X	X	X	X
Tetrasodium EDTA	X	X	X	Present	X	Present	X	X	X	X
Alkali Surfactant NM	X	X	X					X	X	X
Quaternary Amine	X	X						X	X	X
Isopropyl Alcohol	X	X	X	Present	X	Present	X	X	X	X

### LEGEND

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(B) Inventory
<b>DSL/NDSL</b>	Canadian Domestic Substances List/Non-Domestic Substances List
<b>EINECS/ELINCS</b>	European Inventory of Existing/Notified Chemical Substances
<b>ENCS</b>	Japan Existing and New Chemical Substances
<b>IECSC</b>	China Inventory of Existing Chemical Substances
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances
<b>AICS</b>	Australian Inventory of Chemical Substances

## U.S. FEDERAL REGULATIONS

### 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).

### 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

### CLEAN WATER ACT (CWA)

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)

## U.S. STATE REGULATIONS

### CALIFORNIA PROPOSITION 65

This product does not contain any Proposition 65 chemicals.

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## U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Monoethanolamine 141-43-5	X	X	X
Isopropanol Alcohol 67-63-0	X	X	X

## 16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	Not determined	Not determined	Not determined	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	Not determined	Not determined	Not determined	Not determined

## DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge 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