

## MATERIAL SAFETY DATA SHEET

### Oxygen Scavenger

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#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

Product name Scavenger 170C

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

##### 1.3. Details of the supplier of the safety data sheet

Supplier Blue Line Chemicals LLC

PO Box-42629

Musaffah Industrial Area

Abu Dhabi

United Arab Emirates

+97125500402

+97125501664

##### 1.4. Emergency telephone number

+971255004002

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#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.

Human health Eye Irrit. 2 - H319;STOT Single 3 - H335

Environment Not classified.

Classification (1999/45/EEC) Xi;R36/37. R52.

##### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

Signal Word Warning

Hazard Statements

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Statements

P271 Use only outdoors or in a well-ventilated area.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove

contact lenses, if present and easy to do. Continue rinsing.

P313 Get medical advice/attention.

P501 Dispose of contents/container to ...

Supplementary Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash ... thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337 If eye irritation persists:



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P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

## 2.3. Other hazards

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

AMMONIUM BISULPHITE 60-100%

CAS-No.: 10192-30-0 EC No.:

Classification (67/548/EEC)

Xi;R36/37.R31,R52.

Classification (EC 1272/2008)

EUH031Eye Irrit. 2 - H319

STOT Single 3 - H335

CUPRIC NITRATE TRIHYDRATE < 1%

CAS-No.: 19004-19-4 EC No.:

Classification (67/548/EEC)

Xn;R22.Xi;R36/38.

O;R8.N;R50/53.

Classification (EC 1272/2008)

Ox. Liq. 2 - H272

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### Inhalation

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

##### Ingestion

DO NOT induce vomiting. Get medical attention immediately.

##### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

##### Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists:

Continue flushing during transport to hospital. Bring these instructions.

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

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

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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

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Extinguishing media

Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Sulphur dioxide.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Move container from fire area if it can be done without risk. NOTE! Use air-supplied respirators to protect against gases/fumes. Use water to keep fire exposed containers cool and disperse vapours.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Absorb spillage with non-combustible, absorbent material. Spray with weak ( 5% ) hydrogen peroxide solution to oxidise sulphides. Avoid water on spilled material or leaking containers.

6.4. Reference to other sections

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## SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place.

7.3. Specific end use(s)

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.2. Exposure controls

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Colourless-pale yellow liquid.

Odour Of sulphur dioxide.

Relative density 1.4 minimum

pH-Value, Conc. Solution 4.5 to 5.5

9.2. Other information

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## SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reacts with strong oxidising agents Contact with acids releases sulphur dioxide

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

May polymerise.

10.4. Conditions to avoid

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## 10.5. Incompatible materials

### Materials To Avoid

Strong acids. Strong oxidising substances.

## 10.6. Hazardous decomposition products

Ammonia or amines. Sulphur dioxide.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute Toxicity (Oral LD50) 2840 mg/kg Rat

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

### 12.2. Persistence and degradability

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Care must be considered to prevent the contamination of the environment from the use of this product. It is the user's responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and non-hazardous wastes.

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## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN) 2693

UN No. (IMDG) 2693

UN No. (ICAO) 2693

### 14.2. UN proper shipping name

Proper Shipping Name BISULPHITES, AQUEOUS SOLUTION, N.O.S.  
(AMMONIUM BISULPHITE )

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class 8

ADR/RID/ADN Class Class 8: Corrosive substances.

ADR Label No. 8

IMDG Class 8

ICAO Class/Division 8

Transport Labels

### 14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.



# Blue Line Chemicals.....

AMISCAV 170C

14.6. Special precautions for user

EMS F-A, S-B

Emergency Action Code 2X

Hazard No. (ADR) 80

Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## SECTION 15: REGULATORY INFORMATION

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

15.2. Chemical Safety Assessment

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## SECTION 16: OTHER INFORMATION

Revision Date 5 June 2012

Revision 1

Supersedes date 31 May 2011

Risk Phrases In Full

R31 Contact with acids liberates toxic gas.

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R52 Harmful to aquatic organisms.

R36/37 Irritating to eyes and respiratory system.

R36/38 Irritating to eyes and skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

EUH031 Contact with acids liberates toxic gas.

H302 Harmful if swallowed.

H335 May cause respiratory irritation.

H272 May intensify fire; oxidiser.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

### Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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