

## SAFETY DATA SHEET

VIRA BASPAR BARTAR Company

Address: 2nd floor, No.24, 5th Razmandegan Alley, Razmandegan St., Shahrood, Iran.

Telephone: (+98)23-32228684

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# VIRA BOX-2727

*Boiler Oxygen Scavenger*



### 1- IDENTIFICATION

Trade name	VIRA BOX-2727
Application	Boiler Oxygen Scavenger
Type of usage	Boiler oxygen scavenger
COMPANY IDENTIFICATION	VIRA BASPAR BARTAR Company Address: 2 <sup>nd</sup> floor, No.24, 5 <sup>th</sup> Razmandegan Alley, Razmandegan St., Shahrood, Iran. Telephone: (+98)23-32228684

### COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical Composition:

Catalyzed Sodium Sulfite	98%
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### HAZARDS IDENTIFICATION

Physical/chemical hazards: Reducing agent. contact with acids liberates

Environmental hazards: Depletes oxygen content of water courses.

Human health hazards: Dust may cause irritation to respiratory system.



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EMERGENCY OVERVIEW: Odorless, off-white crystals or powder which may irritate the skin. May cause irritation and/or burns to the eyes. Harmful if swallowed or inhaled. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by some asthmatics and other 'sulfite-sensitive' individuals. Reacts with acids to form toxic and irritating sulfur dioxide gas.

### FIRST AID MEASURES

Effect and symptoms:

Skin contact: May cause skin irritation and/or dermatitis.

Eye contact: Irritating to eyes on contact.

Inhalation: Irritating to respiratory tract, may cause allergic reaction. Allergic persons and workers with difficulty in breathing should not be employed in powder application.

Ingestion: irritating to gastrointestinal tract.

First aid measures:

Ingestion: Drink plenty of water. Rinse mouth with plenty of water. if you feel unwell, seek medical advice (show the label where possible).

Inhalation: Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.

Skin contact: Wash off immediately with plenty of water.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

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### **FIRE FIGHTING MEASURES**

Flammability: non-flammable. Burning produces obnoxious and toxic fumes.

Suitable extinguishing media: water, dry powder, foam, carbon dioxide

Hazardous decomposition products: sulphur dioxide/sulphur trioxide

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Wear suitable gloves and eye/face protection.

### **ACCIDENTAL RELEASE MEASURES**

Personal precautions: Wear suitable gloves and eye/face protection.

Environmental precautions: Do not let product enter drains.

Methods for clean up: Shovel into suitable container for disposal.

### **STORAGE AND HANDLING**

Handling/Storage: Keep away from acids and oxidizing agents

Packaging material: Polyethylene containers

Avoid direct sunlight. At temperatures greater than 50°C may decompose exothermically with release of Sulphur dioxide

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### PHYSICAL AND CHEMICAL PROPERTIES

Form:	Crystalline powder
Color:	White/off-white
Odor:	Slight
Molecular weight:	126.04
pH:	10.5(10% solution)
Bulk density:	Approximately, 1.4 - 1.6 gr/cm <sup>3</sup>
Solubility:	Soluble in water to 20 gr/lit

### STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Oxidizing agents, acids.
HAZARDOUS PRODUCTS OF DEPOSITION:	Sulphur dioxide/sulphur trioxide.

### TOXICOLOGICAL INFORMATION

Chemical name:	Sodium Sulfite
ACUTE TOXICITY	
Oral:	LD50, oral rat:6400 mg/kg
Inhalation:	Irritating to respiratory system. may cause allergic reactions
Skin irritation:	Moderate skin irritation on prolonged contact
Eye irritation:	Moderate eye irritation on contact

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### **DISPOSAL CONSIDERATIONS**

Methods of disposal: In accordance with local national regulations.

### **TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

### **OTHER INFORMATION**

Revision Date: 01/02/2017

Version Number: 01