

# SAFETY DATA SHEET

## ALGINEX

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

Identification of the Substance: Auxiliary finings

Synonyms: ALGX

Company Identification:

MURPHY & SON LTD.

ALPINE STREET

OLD BASFORD

NOTTINGHAM

NG6 0HQ

ENGLAND

TEL: + 44 (0)115 978 5494

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Emergency Contact

TEL: + 44 (0)1332 830736

### 2 COMPOSITION/INFORMATION ON SUBSTANCE

Chemical Composition: Food grade gum acacia and sodium metabisulphite (E223) in aqueous solution

CAS No.: 7446 - 09 - 5 (sulphur dioxide)

Classification: Irritant

Risk Phrases: R31 - Contact with acids liberates toxic gas  
R36/37/38 - Irritating to eyes, respiratory system and skin

### 3 HAZARD IDENTIFICATION      **IRRITANT**

Contact with eyes or skin, or inhalation of fumes may cause irritation.

Eye contact: Causes irritation  
Skin contact: May cause irritation  
Inhalation: Causes irritation due to sulphur dioxide content  
Ingestion: Harmful if swallowed in quantity  
Other Information: Symptoms of exposure may include coughing, wheezing, headache, nausea and vomiting

### 4 FIRST AID MEASURES

Eye contact: Flush eyes with copious quantities of water for at least 15 minutes. OBTAIN MEDICAL ATTENTION  
Skin contact: Wash affected area with copious quantities of water for at least 15 minutes. Remove all contaminated clothing and wash before re-use. OBTAIN MEDICAL ATTENTION if irritation persists  
Inhalation: Remove from exposure. In severe cases OBTAIN MEDICAL ATTENTION  
Ingestion: Wash out mouth with water. In severe cases OBTAIN MEDICAL ATTENTION

### 5 FIRE FIGHTING MEASURES

This product is a non-flammable liquid

Suitable Extinguishing Media: Water, dry chemical or carbon dioxide, dependent upon surrounding fire conditions  
Unsuitable Extinguishing Media: None  
Special Exposure Hazards: None  
Special Protective Equipment: Wear gloves, goggles, rubber boots and overalls if contact with the product is possible

### 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear full protective clothing - overalls, goggles, gloves, and boots  
Environmental Precautions: Prevent spillages from entering drains, streams, watercourses etc. If unavoidable warn the local Water Authority immediately  
Methods for Cleaning Up: Contain large spillages in sand or earth and shovel into marked container for safe disposal. After material pick-up is complete wash affected area well with plenty of water. Minor spillages may be washed to drain with plenty of water

## 7 HANDLING & STORAGE

Handling Precautions: Wear appropriate safety equipment - goggles, gloves, boots and overalls  
Storage: Store in tightly sealed containers in a cool, dry place away from acids and oxidising agents

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: Short Term Exposure Limit (15 mins): 13 mg/m<sup>3</sup> for SO<sub>2</sub>  
Time Weighted Average (8 hrs): 5 mg/m<sup>3</sup> for SO<sub>2</sub>

Personal Protection:  
Respiratory Protection: Use in a well ventilated area. If used in a confined space use an appropriate fume excluding mask  
Hand Protection: Wear rubber or PVC gloves with gauntlets  
Eye Protection: Wear chemical safety goggles  
Skin Protection: Wear protective clothing with rubber boots  
Other Protective Measures: An eyewash station should be nearby

## 9 PHYSICAL & CHEMICAL PROPERTIES

Appearance: Brown viscous solution  
Odour: Characteristic pungent odour  
pH: 3 - 5  
Boiling Point: Not applicable  
Freezing Point: Not applicable  
Flash Point: Not applicable  
Flammability: Non Flammable  
Autoflammability: Not applicable  
Explosive Properties: None  
Oxidising Properties: None  
Vapour Pressure: Not applicable  
Relative Density: Typically 1.300  
Solubility: Miscible with water in all proportions

## 10 STABILITY & REACTIVITY

Stability: Stable at ambient temperatures  
Conditions to Avoid: Heaters and direct sunlight  
Materials to Avoid: Avoid contact with acids and oxidising agents  
Hazardous Decomposition Products: May evolve fumes of SO<sub>x</sub> under certain conditions

## 11 TOXICOLOGICAL INFORMATION

Toxicological Data: Acute, local, due to decomposition to sulphur dioxide  
Effects of exposure:  
Eye contact: Corrosive to eye tissue  
Skin contact: Minor irritation may occur from prolonged contact  
Ingestion: May cause nausea and vomiting  
Inhalation: May cause coughing and wheezing. May cause allergic reactions  
Carcinogenicity: This material is not considered to be a carcinogen  
Mutagenicity: This material is not considered to be a mutagen  
Reproductive Effects: None identified

## 12 ECOLOGICAL INFORMATION

Environmental Effect: No data  
Ecotoxicity Value: No data  
Persistence & Degradability: The product may lead to a high chemical consumption of oxygen in biological sewage works or natural waters and has a negative effect on living creatures. Degrades to form sulphates in the natural environment  
Bioaccumulative Potential: None

