

# MATERIAL SAFETY DATA SHEET

ISSUE DATE 22/10/2013  
ISSUE NUMBER 6

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 Product name: Cryofine CRY151  
1.2 Use: Clarification  
1.3 Company Address: AB Vickers  
Dallow Street  
BURTON ON TRENT  
Staffs DE14 2PQ  
England  
  
1.4 Service: Tel. 01283 563268 Fax. 01283 511472  
1.5 Emergency: Tel. 01283 563268  
1.6 Health and Safety Information: Tel. 01283 563268 Fax. 01283 511472  
E-mail [abvickers@lallemand.com](mailto:abvickers@lallemand.com)

## 2. HAZARD IDENTIFICATION

Sulphur dioxide may be released on mixing with water. Xn, GHS05, GHS07, Danger

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

### 3.1 Chemical characterisation:

#### HAZARDOUS INGREDIENTS

Name	CAS No	%	Symbols and Health Risk Phrases
Potassium metabisulphite	16731-55-8	7	Xn, R31/36/37, S26, H302, H318

## 4. FIRST AID MEASURES

4.1 Skin: Wash with soap and water.  
4.2 Eyes: Rinse eyes with plenty of water.  
4.3 Inhalation: Remove to fresh air.  
4.4 Ingestion: None required. Drink water if required.  
4.5 Other information:

## 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: CO<sub>2</sub>, Foam, Dry Powder or Water  
5.2 Unsuitable extinguishing media: None known  
5.3 Unusual fire fighting hazards: Sulphur dioxide may be released.  
5.4 Special fire fighting procedures: Self contained respirator and protective clothing should be worn.  
5.5 Other recommendations: Evacuate area  
5.6 Combustion products: Sulphur dioxide, incompletely burned carbon products

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Avoid eye and prolonged skin contact.  
6.2 Precautions to protect the environment: None established  
6.3 Clean up procedures: Use PPE. Sweep or vacuum into sealed container.

## 7. HANDLING AND STORAGE

7.1 Handling precautions: Avoid eye and prolonged skin contact.  
7.2 Storage: Cool and dry in well ventilated area.  
7.3 Unsuitable packaging materials: None known  
7.4 Incompatibilities: Water plus acid.  
7.5 Other information:

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**8.1 Exposure controls:** See section 7

**8.2 Exposure controls for hazardous components:**

Name	CAS No	Exposure limits
If wetted Sulphur dioxide	7446-09-5	2ppm (OES8hrTWA) 5ppm (STEL 15min)

### **8.3 Personal Protective Equipment**

- **Respiratory:** Not normally required. Not normally required.
- **Hand:** Protective gloves
- **Eye:** Chemical safety goggles or face-shield.
- **Skin:** Additional PPE not normally required
- **Industrial hygiene:** Exercise good hygiene practices particularly before eating drinking or smoking

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **9.1 Appearance:**

**Form:** Granular Powder      **Colour:** Off white      **Odour:** Slight

### **9.2 Safety related information:**

- **pH:** Not determined
- **Boiling point** Not determined
- **Melting point** Not determined
- **Flashpoint** Not determined
- **Flammability** Not determined
- **Autoflammability** Not determined
- **Explosive properties** Not determined
- **Oxidising properties** Not determined
- **Vapour pressure** Not determined
- **Specific gravity** Not determined
- **Solubility in water** Not determined
- **Solubility in fat** Not determined
- **Oil/water partition coefficient** Not determined

### **Other data:**

- **Vapour density (air=1)** Not determined
- **Viscosity** Not determined
- **% volatiles** Not determined
- **Molecular weight** Not determined

## 10. STABILITY AND REACTIVITY

**10.1 Stability:** Stable

### **10.2 Reactivity**

- **Conditions to avoid:** Dissolving in water evolves Sulphur dioxide
- **Materials to avoid:** Water
- **Hazardous decomposition products:** Sulphur dioxide

## 11. TOXICOLOGICAL INFORMATION

### **Possible health effects:**

- **Skin:** No adverse effects normally expected
- **Eyes:** May cause temporary discomfort
- **Inhalation:** No adverse effects normally expected
- **Ingestion:** No adverse effects normally expected

### **Other information:**

- **LD50:** Not available

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## 12. ECOLOGICAL IMPACT

### 12.1 Elimination:

- **Persistence:** No specific information available
- **Degradability:** No specific information available

### 12.2 Behaviour in aquatic environment:

- **Mobility:** Not determined
- **Bioaccumulation:** Not determined

### 12.3 Ecotoxicity:

- **Aquatic:** Not determined
- **Terrestrial:** Not determined

## 13. WASTE DISPOSAL

13.1 Product disposal: According to local regulations

13.2 Packaging disposal: According to national regulations

## 14. TRANSPORT INFORMATION

### UNNO:

- **Road and rail transport (ADR/RID):** Not subject
- **Sea transport (IMO):** Not subject
- **Air transport (ICAO):** Not subject

### Symbols:

## 15. REGULATORY INFORMATION

### 15.1 EEC supply classification and labelling:

#### Contains:

### 15.2 National legislation:

### 15.3 Other regulations:

- **German waste no.:** Not determined
- **German water class:** Not determined
- **German Vbf:** Not determined
- **German TA – Luft:** Not determined
- **Ozone depleting chemicals:** Not determined
- **EINECS** All ingredients listed or exempt
- **TSCA** All ingredients listed or exempt
- **MITI** Not determined
- **DSL** Not determined
- **AICS** Not determined

## 16. OTHER INFORMATION

This product safety data sheet was prepared in compliance with Regulation number 453/2010, which gives a guide to the compilation of Safety Data Sheets.

All information and instructions provided by this MSDS are based on current state scientific technical knowledge at the date indicated on the MSDS. AB Vickers shall not be held responsible for any defect in the product covered by this MSDS should the existence of such a defect not be detectable considering the current state of scientific and technical knowledge.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained is read and understood by all persons who may come in contact with the material.