

MATERIAL SAFETY DATA SHEET

ISSUE DATE 01/4/2008
ISSUE NUMBER 4

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 Product name: Drifine DRI141
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

2. COMPOSITION AND INFORMATION ON INGREDIENTS

2.1 Chemical characterisation:

HAZARDOUS INGREDIENTS

Name	CAS No	%	Symbols and Health Risk Phrases
Potassium metabisulphite	16731-55-8	7	R31/36/37, S26
Citric Acid	77-92-9		

3. HAZARD IDENTIFICATION

Not hazardous in dry state. Sulphur dioxide may be released on mixing with water.

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: CO₂, 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:** Wet plus acid
- **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

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Other information:

- LD50: Not available

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

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16. OTHER INFORMATION

This product safety data sheet was prepared in compliance with Council Directive 01/155/EC, 67/548 and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

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