

Material Safety Data Sheet

KEYSTONE OIL
BLUE

Date prepared: 26th September 1995 Date revised: 21 June 2000

0CON-241

1. Identification of the Substance/Preparation and the Company/ Undertaking

Substance or preparation trade name:	KEYSTONE OIL BLUE
Unique reference number(s):	0CON-241
Company/undertaking name & address:	Logitech Ltd., Erskine Ferry Road, Old Kilpatrick, Glasgow G605EU, Scotland, UK
Telephone:	(+44) 1389 875444
Emergency telephone number:	As above

2. Composition

Substance:	Solvent Blue 36/9,10-Anthracenedione 1,4-Bis (Methylethyl) Amino
% content:	100
EINECS No:	238-101-9
CAS number:	14233-37-5
PEL:	N/E
TLV:	N/E

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3. Hazards Identification

HMIS ratings: Health - 1, Flammability - 1, Reactivity - 1, Protection - F, N

Can irritate eye tissues. Can irritate skin following prolonged or repeated exposure. If swallowed, can irritate stomach and intestines. Can irritate the linings of the nose, throat and lungs. Product and components not known to be carcinogens.

**European Union Risk Phrases: R36/37/38 - Irritating to eyes, respiratory system & skin.
Sensitisation: N/K**

Target organs: Eyes, lungs, skin, nose, throat, stomach, intestines.

Cancer information: Product and components not known to us to be carcinogens.

NTP: N/K

IARC: N/K

OSHA: Not regulated or reportable

To help protect against expected or unexpected irritations or reactions, wear all properly selected protective equipment and clothing as shown in the exposure controls and personal protection section of this MSDS. Wash hands and face after handling and before eating, drinking, smoking or using restroom facilities. After each shift, clean all protective equipment, wash all work clothes, and shower. See section 11, Toxicology Information.

If mixed with air in sufficient amounts & proportions, organic dusts can form flammable or explosive dust/air mixtures. As precautions, keep areas clean and avoid dust build up. Have plenty of good ventilation. Avoid creating very dusty conditions. When mixing, pouring or processing bulk amounts of powders, ground all containers and avoid static charges, sparks, smoking, open flames, or other possible causes of fire or explosion.

4. First Aid Measures

Inhalation:	Breathing product dust: Move to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration, and seek emergency medical help immediately.
Skin contact:	Remove affected clothing. Wash affected skin area with plenty of soap and water. Rinse with plenty of water. Wash all work clothes before wearing again. If any redness, swelling, itching, or skin pain starts, see a doctor immediately.
Eye contact:	Flush with plenty of clean water for at least 20 minutes, holding eyelids open to rinse completely. Seek medical attention immediately, as a precaution.
Ingestion:	If swallowed, seek emergency medical help immediately. Unless advised otherwise, induce vomiting. If the person is drowsy or unconscious, do not give anything by mouth or leave alone. Never give anything to drink to a person who is convulsing or has no gag reflex. Loosen tight-fitting clothing, clear the airway, and keep the person warm.

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8. Exposure Controls

Engineering measures:	<i>Ensure that there is 20% fresh air circulation in the work area.</i>
Respiratory protection:	<i>Wear NIOSH approved dust respirator for your particular operation and materials being handled.</i>
Hand protection:	<i>Wear chemically resistant rubber gloves, selected with your specific processing conditions and chemicals to be handled in mind.</i>
Skin protection:	<i>Wear overalls and boots to minimise skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower, taking care to wash behind the ears.</i>
Eye protection:	<i>Wear splash-proof, chemical safety goggles. Contact lenses should not be worn when working with chemicals.</i>
Other protection:	<i>Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk of the work area. Local exhaust ventilation is recommended.</i>

9. Physical and Chemical Properties

Appearance:	<i>Dark blue powder</i>
Odour:	<i>None</i>
pH:	<i>N/E</i>
Boiling point:	<i>N/A</i>
Melting point:	<i>N/E</i>
Flashpoint (°C):	<i>N/A</i>
Flammability:	<i>N/A</i>
Autoflammability:	<i>N/A</i>
Explosive properties:	<i>See Section 3</i>
Oxidising properties:	<i>N/E</i>
Vapour pressure:	<i>N/A</i>
Relative density:	<i>N/E</i>
Solubility:	<i>Insoluble in water</i>
Other:	<i>100% non-volatiles by weight</i>

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10. Stability and Reactivity

Conditions to avoid:	<i>Avoid formation and accumulation of dust.</i>
Materials to avoid:	<i>Oxidising agents and reducing agents.</i>
Hazardous decomposition products:	<i>If heated to high temperatures, this product may emit oxides of nitrogen, smoke, soot, and toxic fumes (e.g. carbon dioxide and carbon monoxide).</i>

11. Toxicological Information

For Solvent Blue 36:
Oral LD50 (rat): > 5000 mg/kg
Dermal LD50 (rat): > 2000 mg/kg
Inhalation LC50 (rat): N/E

Eye effects (rabbit): N/E*
Skin effects (rabbit): N/E*
Breathing effects: N/E

**** No data available on product as a whole***

General precautions:
Always practise good industrial hygiene, handle with care, and avoid personal contact. Do not get into eyes or on skin, do not breathe dust of product, and do not swallow. Wash hands with soap and water, and rinse well after handling product. Shower after each shift. Wash all work clothing and completely clean all protective equipment after each shift.

Mutagenicity: This material was positive in the AMES salmonella plate assay.

Medical conditions worsened by exposure:
Persons with breathing and lung problems can be affected by breathing in any type of dusty material. Persons with asthma, allergies, or other breathing-related problems should stay away from, not handle, and not be exposed to any dusty products or dusty conditions as a precautionary measure.

12. Ecological Information

Mobility:	<i>No data available.</i>
Persistence and Biodegradability:	<i>No data available.</i>
Bioaccumulation:	<i>No data available.</i>
Ecotoxicity:	<i>No data available.</i>

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13. Disposal Considerations

Waste from Residue or Unused
Colour:

Select from the alternatives below accordingly:
- Recycle or rework material if at all possible
- Incinerate material at an approved facility
- Treat at an acceptable waste treatment facility, or municipal waste treatment plant after proper testing and approval waste samples.

If disposed of in it's original unused form, this material should be treated, and disposed of at an approved site or facility, in compliance with all applicable Federal, State & local environmental regulations. Contact the appropriate government agencies for additional directions.

Do not release dye or dye solution into any waterways or sewer systems without proper government permission at all levels.

Container reuse - an empty container can contain product residue, and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorised reuse.

14. Transport Information

Special carriage precautions (on-site or externally): **Not regulated or reportable**

Classification data: **Not regulated or reportable**

15. Regulatory Information

AICS (Australia): **Components listed**

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Cal. Prop. 65:	<p>Product contains traces of substances listed by California as causing cancer or reproductive toxicity.</p> <p>Following PPM levels are present: Cadmium <0.50, Total Chromium <1.00, Lead 11.20, Mercury <0.50. Note that CR+6 (Hexavalent Chromium) is a listed substance. Minute traces may be present in total PPM Chromium. Note that all PPM levels apply to 100% colour. For colour used at a few percent or less, when making Cal. Prop. 65 determination for end products, calculate actual substance present.</p> <p>Example - with 3% colour used in end product, and Chromium present at <10 PPM in 100% dye, actual amount present from colour = 0.30 PPM = 0.00005%.</p>
CERCLA:	Not hazardous under cited regulations
Clean Air Act:	Title III-Hap's: NK Title V-Voc's: See Section 9 Title VI-ODC's: Not manufactured with nor containing class I or II ODC's.
CONEG-typical metals present in PPM:	Cadmium <0.5 Chromium <1.0 (Total including Hexavalent CR+6) Lead 11.2 Mercury <0.5
S-Phrases:	N/A
DSL (Canada):	Components listed.
ECL (Korea):	Serial #KE-03278
EINECS (Europe):	#238-101-9
ENCS (Japan)	#5-5112
FDA status:	Not listed or approved under these regulations
Other typical data in PPM:	Arsenic <3 Barium 5 Selenium <3 Silver <2
Other trace background materials:	Phosphorus 0
R-Phrases:	R36, R37, R38.

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RCRA: ***Not hazardous in it's purchased form. However, under RCRA, it is the product user's responsibility to determine at time of disposal if any material containing the product or derived from the product is a hazardous waste.***

SARA 311/312: ***Immediate / acute health hazard - Yes
Delayed / chronic health hazard - Yes
Fire hazard - No
Sudden release of pressure hazard - No
Reactivity hazard - No***

SARA 313: ***Not regulated or reportable***

TSCA: ***Components listed***

NOTE: THIS DATA SHEET DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION.

16. Other Information

Recommendations/restrictions: ***The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.***

Use: ***Blue dye***

Sources of key data used to compile Safety Data Sheet: ***Croner's Hazard Information and Packaging, 3/95***

Symbols used: ***< = Not found at test levels shown. If present, unmeasurable trace is below level indicated.***

Abbreviations: ***N/E: Not established
N/A: Not applicable
N/K: None known, no information found in data searches
NIOSH: National Institute for Occupational Safety and Health***

The data contained in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.