

Safety Data Sheet



Section 1 - Identification of the Material and Supplier

Product Name: Blue Concentrate Dye
Product Code: KZR
Product Use: Colouring Agent
Supplier: Oil Intel Limited
56 Whakatu Road, Whakatu
Hastings 4172
NEW ZEALAND
Phone: +64 (06) 871 53 25
Fax: +64 (06) 870 48 90

EMERGENCY

TELEPHONE NUMBER: 0800 734 607 (New Zealand)
Chemical Nature: Product containing mineral oil with less than 3% DMSO extract as measured by IP346.
Creation Date: December 2013
This Version Issued: July 2018 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments.

Physical and Chemical Properties: Contaminated surfaces will be extremely slippery.

Environmental Properties: Should not be released into the environment.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	Symbol	R-Phrases
C.I. Solvent blue 79	90170-70-0	<1.5	Xi	R-36/38
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	<1	Xn,N	R-65,66,67,51-53

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 in New Zealand and is available at all times. Have this MSDS with you when you call.

Inhalation: Move to fresh air. Inhalation of vapours in high concentration may cause irritation of the respiratory system.

Skin Contact: Remove contaminated clothing and shoes. Wash skin with soap and water. Wash contaminated clothing before reuse.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentrations.

Extinguishing Media: Suitable extinguishing media include carbon dioxide, water spray or fog, foam and ABC powder. Do not use a solid water stream as it may scatter and spread the fire.

Fire Fighting: Wear self-contained breathing apparatus and protective suit. Cool containers/tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6 - Accidental Release Measures

Accidental Release: Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses.

Local authorities should be advised if significant spillages cannot be contained. Dam up and contain spillage and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal according to local and national regulations. Collect free product with suitable mechanical means. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling: When using, do not eat, drink or smoke. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags that have been contaminated with product. Do not put product contaminated rags into work-wear pockets.

Storage: Keep away from food, drink and animal feeding stuffs. Keep in a bunded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels off the containers (even if they are empty). Design the installations in order to avoid accidental emissions of the product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture and oxidizing agents.

Section 8 - Exposure Controls and Personal Protection

Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS221** **Exposure Limits:** Oil mists: 10mg/m³ for 15 minutes. Oil mist: 5mg/m³ for 8 hours.

Engineering Measures: Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

General Information: If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied. The product should not be allowed to enter drains, water courses or the soil.

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a respirator with combination filter for vapour/particulate (EN14387). The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Eye Protection: If splashes are likely to occur, wear safety glasses with side shields.

Skin and Body Protection: Wear suitable protective clothing such as protective shoes or boots and long sleeved clothing.

Hand Protection: Wear hydrocarbon-proof gloves made from either fluorinated or nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific conditions under which the product is used, such as the danger of cuts and abrasions. If used in solution or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the EC approved gloves.

Section 9 - Physical and Chemical Properties:

Physical Description & Colour:	Blue liquid
Odour:	Characteristic odour
Flashpoint:	>190°C (C.O.C.)
Vapour Pressure:	No data
Density:	860kg/m ³ at 15°C
Water Solubility:	Insoluble
Solubility in Organic Solvents:	No data
Autoignition Temperature:	No data
Coeff Oil/Water Distribution:	Log Pow 6.1
Kinematic Viscosity:	16mm ² /s at 40°C

Section 10 - Stability and Reactivity

Reactivity: Stable under recommended storage conditions.
Conditions to Avoid: Heat (temperatures above flash point), sparks, ignition points, flames and static electricity.
Incompatible Materials: Strong oxidising agents.

Section 11 - Toxicological Information

Inhalation: Inhalation vapours in high concentration may cause irritation of the upper respiratory tract.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Skin Contact: High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent. Characteristic skin lesions (pimples) may develop following prolonged and repeated exposure (contact with contaminated clothing).

Sensitization: Not classified as a sensitizer.

Special Effects: This product is not classified as carcinogenic, mutagenic nor does it present any known or suspected reproductive hazards.

Acute Toxicity Component Information:

Solvent naphtha (petroleum) heavy aromatic:

- LD₅₀ >5000mg/kg (Rat) ORAL
 - LD₅₀ >2000mg/kg (Rabbit) DERMAL
 - LD₅₀ (4h) >590mg/m³ (Rat) INHALATION
-

Section 12 - Ecological Information

Aquatic Toxicity Component:

Solvent naphtha (petroleum) heavy aromatic (64742-94-5):

Toxicity to Algae

- EC₅₀ (72h) (*Skeletonema costatum*) 2.5mg/L

Toxicity to Daphnia and Other Aquatic Invertebrates

- LC₅₀ (48h) (*Daphnia magna*) 0.95mg/L

Toxicity to Fish

- LC₅₀ (96h) (*Pimephales promelas*) (static) 19mg/L
- LC₅₀ (96h) (*Oncorhynchus mykiss*) 2.34mg/L
- LC₅₀ (96h) (*Lepomis macrochirus*) (static) 1740mg/L
- LC₅₀ (96h) (*Pimephales promelas*) (flow-through) 45mg/L
- LC₅₀ (96h) (*Pimephales promelas*) 41mg/L

Mobility:

- **Air:** There is a slow loss by evaporation.
- **Soil:** Given its physical and chemical characteristics, the product generally shows low soil mobility. –
- **Water:** The product is insoluble; it spreads on the surface of the water.

Section 13 - Disposal Considerations

Disposal: Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. After use, this oil must be sent to a licensed waste oil facility. Incorrect disposal of used oil poses a risk to the environment. Mixture with other waste types such as solvents, brake and cooling liquids is forbidden. Empty containers should be taken to an approved waste handling site for recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14 - Transport Information

Section 15 - Regulatory Information

New Zealand Regulatory Information:

HSNO Approval Number	HSR002605
HSNO Group Standard	Lubricants (Low Hazard) Group Standard 2006
HSNO Classification	6.3 - SKIN IRRITATION - Category B 6.4 - EYE IRRITATION - Category A (Irritant) 9.1 - AQUATIC ECOTOXICITY - Category D

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)] Copyright © Kilford & Kilford Pty Ltd,

October, 2015. <http://www.kilford.com.au/> Phone (02)9251 4532