Kraftkolour
Factory 2, 99 Heyington Ave
THOMASTOWN Vic 3074
Tel: 1300 720 493
Web: Kraftkolour.net.au

SAFETY DATA SHEET

Product	**GLYCERINE**
Other name(s):	Glycerine 99.5% USP/BP/EP; Glycerine (Vegetable); Refined Glycerine; Glycerine Tech Grade; Glycerine EP
Recommended use of the chemical & restrictions on use:	General chemical. Used as textile printing auxiliary
Supplier:	**Craft Explosion P/L t/a Kraftkolour**
ABN:	**18 657 252 072**
Street Address:	**Unit 2, 99 Heyington Ave** **THOMASTOWN Vic 3074** **Australia**
Telephone	+61 3 9465 4865
Email:	info@kraftkolour,com.au
Emergency Telephone:	03 9465 4865 **13 11 26 (ALL HOURS) POISON INFORMATION CENTRE**

2. HAZARDS IDENTIFICATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Poisons Schedule (SUSMP): None allocated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number Proportion	Hazard Codes
Glycerol	56-81-5 >=99.5%	None

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Inhalation:
Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact:
If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with soap and water. If irritation occurs seek medical advice.

Eye Contact:
If in eyes, wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

Ingestion:
Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.

Indication of immediate medical attention and special treatment needed:
Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards arising from the substance or mixture:
Combustible liquid. On burning will emit toxic fumes, including those of oxides of carbon.

Special protective equipment and precautions for fire-fighters:
Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Keep containers cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/Environmental precautions:
Shut off all possible sources of ignition. If contamination of sewers or waterways has occurred advise local emergency services.

Personal precautions/Protective equipment/Methods and materials for containment and cleaning up: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

Precautions for safe handling:
Avoid skin and eye contact and breathing in vapour, mists and aerosols.

Conditions for safe storage, including any incompatibilities:
Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Glycerin mist: 8hr TWA = 10 mg/m^3

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Appropriate engineering controls:
Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour respirator or air supplied mask. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Orica Personal Protection Guide information (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

Individual protection measures, such as Personal Protective Equipment (PPE):
The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.Wear overalls, safety glasses and impervious gloves. If determined by a risk assessment an inhalation risk exists,wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Clear Viscous Liquid
Colour: Colourless
Odour: Odourless
Odour Threshold: Not available
Solubility: Miscible in water.
Specific Gravity: 1.26 @ 20°C
Relative Vapour Density (air=1): 3.2
Vapour Pressure (20 °C): 0.0025 mmHg @ 50°C
Flash Point (°C): 199 (PMCC)
Flammability Limits (%): 2.7 - 19
Autoignition Temperature (°C):370
Melting Point/Range (°C): ~18
Boiling Point/Range (°C): 290
Decomposition Point (°C): Not available
pH: 7
Viscosity: 1,412 mPa.s @ 20°C (dynamic)
Partition Coefficient: log Pow: -1.76

10. STABILITY AND REACTIVITY

Reactivity: No information available.

Chemical stability: Stable under normal conditions of use. Hygroscopic: absorbs moisture or water from surrounding air.

Possibility of hazardous reactions: Hazardous polymerisation will not occur.

Conditions to avoid: Avoid exposure to heat, sources of ignition, and open flame.

Incompatible materials: Incompatible with strong oxidising agents.

Hazardous decomposition products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.

Eye contact: May be an eye irritant.

Skin contact: Contact with skin may result in irritation. Will have a degreasing action on the skin.

Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation: Where this material is used in a poorly ventilated area, at elevated temperatures or in confined spaces, vapour may cause irritation to mucous membranes of the respiratory tract, headache and nausea.

Acute toxicity:
Oral LD50 (rat): 27,200 mg/kg (1)
Oral LD50 (mice): ~23,000 mg/kg (1)
Oral LD50 (guinea pig): 11,500 mg/kg (1)
Dermal LD50 (rabbit): >18,700 mg/kg (1)
Dermal LD50 (guinea pig): 56,750 mg/kg (1)

Skin corrosion/irritation: Non-irritant. (1)
Serious eye damage/irritation: Non-irritant. (1)
Respiratory or skin sensitization: No information available.

Chronic effects: No information available for the product.

Mutagenicity: Non-mutagenic in AMES test. (1)
Carcinogenicity: No evidence of carcinogenic effects. (1)
Reproductive toxicity: No evidence of reproductive effects. (1)
Specific Target Organ Toxicity: No information available.

(STOT) - single exposure:
Specific Target Organ Toxicity No information available.
(STOT) - repeated exposure:
Aspiration hazard: Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.
Persistence/degradability: The material is readily biodegradable. (1)
Bioaccumulative potential: No information available.
Mobility in soil: No information available.

48hr LC50 (Daphnia magna): 1,955 mg/L (1)
96hr LC50 (rainbow trout):54,000 mg/L (1)
96hr LC50 (fathead minnow): 885 mg/L (1)

13. DISPOSAL CONSIDERATIONS

Disposal methods:
Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Classification:
Based on available information, not classified as hazardous according to Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

Poisons Schedule (SUSMP): None allocated.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

This SDS 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 should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. Craft Explosion P/L cannot anticipate or control the conditions under which this information may be used. Each user should review the information in the specific context of the intended application. Craft Explosion P/L will not be responsible for damages of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those implied by Commonwealth, State or Territory Legislation.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization, given or implied, to practise any patented invention without a valid license.

Craft Explosion P/L. shall not be responsible for any damage or injury resulting from: abnormal use of the chemical; any failure to adhere to recommendations; any hazards inherent in the nature of the chemical. Craft Explosion P/L expressly disclaims that the SDS is a representation or guarantee of the chemical specifications for the product.

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