

'DS' Ink (7300-7310)

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MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

Product Name 'DS' Ink Black
Trade Names Marking Ink
Other Names Branding Ink
Distributors Code 7300-7310

Use and method of Application:

DS INK IS A BRIGHTLY COLOURED LIGHT FAST PIGMENTED INK USED FOR STENCILLING THROUGH ROLLERS PENS AND BRUSHES.

HAZARDS IDENTIFICATION

Statement of Hazardous Nature

Classified as HAZARDOUS SUBSTANCE, DANGEROUS GOODS according to the criteria of NOHSC.

APPLICABLE RISK PHRASES

R20/21/22 Harmful by inhalation, skin contact and if swallowed
R36/38 Irritating to eyes and skin

APPLICABLE SAFETY PHRASES

S26 in case of contact with eyes rinse immediately with plenty of water and seek medical advice.
S24/25 Avoid contact with skin and eyes

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COMPOSITION / INFORMATION ON INGREDIENTS

Poisons Schedule 6

Ingredients:

CHEMICAL ENTITY	CAS.NO	PROPORTION
Ethylene Glycol Mono Butyl Ether	111-76-2	60%
Ethoxy Propanol	1569-02-4	30-60%
Resin	Various	<10%
Additives	Various	<10%
Organic Pigment	Various	<10%

FIRST AID

- Inhaled:** Remove from contaminated area into fresh air, keep warm and rest. If respiration is difficult or breathing stopped apply resuscitation and consult physician.
- Eye:** Immediately Irrigate with copious quantities of water for at least 15 minutes. Check for physical damage and seek medical advice.
- Skin:** Immediately wash contaminated skin with soap and water. Remove contaminated clothing and Launder before reuse.
- Swallowed:** Give plenty of water or milk to drink to achieve effective dilution. Induce vomiting. Seek medical advice immediately.

Advice to Doctor: Treat symptomatically

FIRE FIGHTING MEASURES

Extinguishing media:Foam, dry agents, CO₂ or water delivered as fine mist spray or fog.**Hazards from Combustion Products:**If heated to decomposition may release CO_x and complex hydrocarbons.**Specific Hazard:**

Flammable liquid.

Special fire fighting recommendations:

Keep uninvolved containers cool with water spray.

Contain run-off for later collection and controlled disposal.

Protective clothing and self contained breathing apparatus should be used by firemen.

HAZCHEM Code: Non Allocated

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ACCIDENTAL RELEASE MEASURES

Spills and Disposal:

Eliminate all ignition sources Soak up with suitable chemical absorbent material and dispose of as per local authority regulations.

HANDLING AND STORAGE

Handling

Avoid contact with skin. Avoid inhalation of vapours or mists. Use in well ventilated area away from all ignition sources.

Conditions for safe storage

Store in cool well ventilated dry area.

Store in tightly sealed original container away from sources of ignition. Do not repack in any other containers.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Most likely exposure will be accidental contact with skin while using Ball marking pen

Exposure Standards:

SUBSTANCE NAME: Ethoxy Propanol

CAS Number: 1569-02-4

Exposure Standard:

Not Established

SUBSTANCE NAME: Ethylene Glycol Mono Butyl Ether

CAS Number: 111-76-2

Exposure Standard:

TWA: 25ppm, 121mg/m³

Biological Limit Values:

There is no biological limit values allocated.

Engineering Controls:

Provide adequate ventilation.

Ensure ventilation is adequate to maintain air concentrations below exposure standards.

Eliminate all sources of ignition.

Personal Protection:

Avoid eye and skin contact.

Wear safety glasses.

Wear protective clothing to avoid skin contact for example latex gloves.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Coloured medium viscosity liquid.
Odour: Mild sweet smelling odour.
pH: Not Determined
Vapour Pressure: .88mm @ 25.C
Vapour Density: Not Determined
Boiling Point (°C): 78-170°C
Freezing Point (°C): Not Determined
Solubility: Not Determined
Specific Gravity: 0.903-0.943 Kg/L
Flash Point (°C): >40°C
UEL / LEL in air: Not Determined
Ignition Temperature: Not Determined
% Volatile: 89-91 %
Other Properties:

Flammability:

Combustible liquid

STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.
Conditions to avoid: Flames, sources of ignition and incompatibilities.
Incompatible materials: reacts with oxidising agents, acids and alkalis.
Hazardous decomposition Products: If heated to decomposition may release CO_x and complex hydrocarbons.
Hazardous reactions: Not determined

TOXICOLOGICAL INFORMATION

Likely routes of exposure that may result in adverse health effects are accidental contact with skin and eyes:

ACUTE EFFECTS:

Eye: Moderate irritant. Can be absorbed through eyes. Can produce transient injury.
Skin: Slight irritant. Can be readily absorbed through skin without signs of local irritation. Skin absorption is the most significant route of exposure.
Inhaled: Harmful by inhalation. Irritation of nose and throat and may cause drowsiness.
Swallowed: Harmful if swallowed

Long Term Effects: Prolonged or repeated skin exposure may lead to dermatitis through the defatting action of the solvent.

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No other adverse health effects are expected if the product is handled in accordance with the safety data sheet and the product label. Symptoms that may arise if the product is mishandled are:

CHRONIC EFFECTS:

Prolonged or repeated skin exposure may lead to dermatitis through the drying action of the solvent. Prolonged or repeated inhalation exposure to high concentrations of vapours may affect the central nervous system. Prolonged unhindered exposure can produce toxic effects on lungs, liver, kidneys and blood.

ACUTE TOXICITY / CHRONIC TOXICITY

No LD50 data available for this product.

ECOLOGICAL INFORMATION

Ecotoxicity: Not determined.

Persistence / Degradability: Not determined

Mobility: Not determined

DISPOSAL CONSIDERATIONS

Dispose of empty containers into a refuse bin for collection by local authority.

TRANSPORT INFORMATION

U.N. Number	: Non Allocated
UN Proper Shipping Name	: Non Allocated
Dangerous Goods Class	: Non Allocated
Subsidiary Risk	: N/A
Packaging Group	: Non Allocated
Special Precautions for user	: N/A
Hazchem Code	: Non Allocated

REGULATORY INFORMATION

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS)

OTHER INFORMATION

References:

Australian Standards References:

AS 1020

AS 1076

AS/NZS 1336

AS/NZS 1715

AS/NZS 1716

The Control of Undesirable Static Electricity.
Code of Practice for selection, installation and maintenance of electrical apparatus and associated equipment for use in explosive atmospheres (other than mining applications) – Parts 1 to 13
Recommended Practices for Occupational Eye Protection
Selection, Use and Maintenance of Respiratory Protective Devices
Respiratory Protective Devices

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AS 1940

The Storage and Handling of Flammable and Combustible Liquids

AS 2161

Industrial Safety Gloves and Mittens (excluding electrical and medical gloves)

AS 2380

Electrical equipment for explosive atmospheres – Explosion Protection Techniques (Parts 1 to 9) Electrical installations (known as the Australian/New Zealand Wiring Rules).

AS 3000

NOHSC:2011(2003)

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition, April 2003, National Occupational Health and Safety Commission.

NOHSC; 2012 (1994)

National Code of Practice for the Labelling of Workplace Substances, March 1994, Australian Government Publishing Service, Canberra.

NES

National Occupational Exposure Standards for Workplace Atmospheric Contaminants (NES), Safe Work Australia (formerly ASCC/NOHSC) 1995 as amended.

ADG Code

Australian Dangerous Goods Code 7th Edition.

DATE OF REVISION:

17/06/14

Reason for issue:

Routine review. No change

CONTACT:

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End of MSDS