officeworks

SAFETY DATA SHEET

MARKERS

Infosafe No.: LQCNQ
ISSUED Date : 12/06/2025
ISSUED by: OFFICEWORKS LTD.

Section 1 - Identification

Product Identifier
MARKERS

Product Code
KEJIVAPK, KEBY2378AS

Company Name
OFFICEWORKS LTD. (ABN 36 004 763 526)

Address
Chadstone Place, 1341 Dandenong Road Chadstone
VIC 3148 Australia

Telephone/Fax Number
Tel: +61 3 8575 1900

Emergency Phone Number
1800 638 556 (24h)

Emergency Contact Name
Rebecca Callaghan

E-mail Address
sds@officeworks.com.au

Recommended use of the chemical and restrictions on use
To write

Illicit Drug Precursors
This product contains a Category III: Illicit Drug Reagent/Essential Chemical in the Code of Practice for Supply Diversion into Illicit Drug Manufacture.

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture
Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye damage/irritation: Category 2A

Signal Word (s)
WARNING

Hazard Statement (s)
H319 Causes serious eye irritation.

Pictogram (s)
Exclamation mark

Precautionary Statement–Prevention
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/face protection.

Precautionary Statement–Response
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

IMPORTANT NOTE(S)
The hazard and DG classification given above is applicable to the liquid ink contained in the pen casing.

Other Information
This product contains an Ototoxic substance. Combination with noise exposure, even at safe levels, could still cause auditory injuries and hearing loss.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Ethanol	64-17-5	10-<40 %
Isopropanol	67-63-0	10-<20 %
*Propane-1,2-diol	57-55-6	1-<10 %
Carbon black	1333-86-4	1-<10 %

Information on Composition
Ingredients given below are for the liquid ink contained in the pen casing.

Section 4 - First Aid Measures

Inhalation
Not considered a potential route of exposure.
If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion
Unlikely due to form of product.
If ingested, do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin
Unlikely due to form of product. If contact occurs, wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye
If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

First Aid Facilities
Eyewash, safety shower and normal washroom facilities.

Advice to Doctor
Treat symptomatically.

Other Information
For advice in an emergency, contact a Poisons Information Centre (Phone 131 126 in Australia) or a doctor at once.

Section 5 - Firefighting Measures

Suitable Extinguishing Media
Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.

Unsuitable Extinguishing Media
Do not use water jet.

Hazards from Combustion Products
Combustion of large amounts of pens: Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides of nitrogen and other pyrolysis products typical of burning organic material.

Specific hazards arising from the chemical
This product will burn if exposed to fire. When burning large amounts, hazardous fumes can be set free.

Ink: Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

Decomposition Temperature
Not available

Precautions in connection with Fire
Ink is flammable: Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

Section 6 - Accidental Release Measures

Emergency Procedures
Wear appropriate personal protective equipment and clothing to prevent exposure. Collect the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling
In normal conditions of storage, transport and use, the ink will not leak. Always apply the protective cap to the pen when it is not in use. Avoid exposure. Use only in a well ventilated area. Keep containers tightly closed. Prevent the build up of dusts, mists or vapours in the work atmosphere. Do not use near ignition sources. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area, out of direct sunlight. Ensure that storage conditions comply with applicable local and national regulations. Keep pen capped when not in use. Protect against physical damage. Inspect regularly for deficiencies such as damage or leaks.

For the ink:
For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values
No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Ethanol
TWA: 1000 ppm, 1880 mg/m³

Propane-1,2-diol (vapour & particulates)

TWA: 150 ppm, 474 mg/m³

Propane-1,2-diol (vapour only)
TWA: 10 mg/m³

Isopropanol
TWA: 400 ppm, 983 mg/m³
STEL: 500 ppm, 1230 mg/m³

Carbon black
TWA: 3 mg/m³

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
Source: Safe Work Australia.

Biological Monitoring
Name: Isopropyl alcohol (Propan-2-ol)
Determinant: Acetone in urine
Value: 40mg/l
Sampling time: End of shift at end of workweek
Notation: Ns, B
Source: American Conference of Industrial Hygienists (ACGIH)

Control Banding
Not available

Engineering Controls
None required, when used as intended.

Industrial application (for the ink): This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.
Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

Respiratory Protection
Not generally required.

Industrial application (for the ink): If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye and Face Protection
Not generally required. However, avoid contact with eyes.

Industrial application (for the ink): Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

Hand Protection
Not generally required. However, avoid contact with skin.

Industrial application (for the ink): Wear gloves of impervious material (such as butyl rubber). Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Thermal Hazards
No further relevant information available.

Body Protection
Industrial application (for the ink): Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Article - Containing Chemical	**Appearance**	Marker
Colour	Black/Red/Blue	**Odour**	Odourless
Melting Point	Not available	**Boiling Point**	Not available
Decomposition Temperature	Not available	**Solubility in Water**	Not available
pH	Not available	**Vapour Pressure**	Not available
Relative Vapour Density (Air=1)	Not available	**Evaporation Rate**	Not available
Odour Threshold	Not available	**Viscosity**	Not available
Volatile Component	Not available	**Partition Coefficient: n-octanol/water (log value)**	Not available
Density	Not available	**Flash Point**	20-22°C
Flammability	Ink: flammable	**Auto-Ignition Temperature**	Not available
Explosion Limit - Upper	Not available	**Explosion Limit - Lower**	Not available
Explosion Properties	Product is not explosive. However, formation of explosive air/steam mixtures is possible.		

Section 10 - Stability and Reactivity

Chemical Stability
Stable under normal conditions of storage and handling.

Possibility of hazardous reactions
Not reactive under normal conditions.

Conditions to Avoid
Heat, open flames and other sources of ignition.

Incompatible Materials
Strong oxidising agents.

Hazardous Decomposition Products
Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides of nitrogen and other pyrolysis products typical of burning organic material.

Reactivity and Stability
Reacts with incompatible materials.

Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

Toxicology Information
No toxicity data available for this material. The available acute toxicity data for the ingredients is given below.

Acute Toxicity - Oral
Propane-1,2-diol
LD50(rat): >22000 mg/kg

Ethanol
LD50(mouse): >8300 mg/kg

Isopropanol
LD50(mouse): 5840 mg/kg

Carbon black
LD50(rat): >8000 mg/kg

Acute Toxicity - Dermal
Propane-1,2-diol
LD50(rabbit): >2000 mg/kg

Isopropanol
LD50(rat): 16.4 ml/kg

Carbon black
LD50(rabbit): >3000 mg/kg

Acute Toxicity - Inhalation
Propane-1,2-diol
LC50(rat): >44.9 mg/L/4h

Ethanol
LC50(rat): >82.1-92.6 mg/L/6h
LC50(rat): >115.9-133.8 mg/L/4h
LC50(mouse): >8300 mg/kg

Isopropanol
LC50(rabbit): 10000 ppm/6h

Ingestion
Ingestion unlikely due to form of product.
Ink: Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation
No adverse effects expected.
Ink: Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Skin
Unlikely due to form of product.
Ink: May be irritating to skin. The symptoms may include redness, itching and swelling.

Eye
Unlikely due to form of product.
Ink: Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Serious Eye Damage/Irritation
Ethanol
Eye(rabbit): slight irritation (50% concentration)(Draize)

Isopropanol
Eye(rabbit): Causes serious eye irritation (Draize)

Respiratory Sensitisation
Not expected to be a respiratory sensitiser.

Skin Sensitisation
Not expected to be a skin sensitiser.

Germ Cell Mutagenicity
Not considered to be a mutagenic hazard.

Carcinogenicity
Not considered to be a carcinogenic hazard.

Carbon black is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC).
Isopropanol is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Reproductive Toxicity
Not considered to be toxic to reproduction.

STOT - Single Exposure
Not expected to cause toxicity to a specific target organ.

STOT - Repeated Exposure
Not expected to cause toxicity to a specific target organ.

Aspiration Hazard
Not expected to be an aspiration hazard.

Other Information
This product contains an ototoxic substance. Combination with noise exposure, even at safe levels, could still cause auditory injuries and hearing loss.

Section 12 - Ecological Information

Ecotoxicity
No ecological data available for this material. The available ecological data for the ingredients is given below.

Persistence and degradability
Propane-1,2-diol
Readily biodegradable in water

Ethanol
Readily biodegradable in water

Isopropanol
Readily biodegradable in water

Mobility
Propane-1,2-diol
Koc = 2.9

Ethanol
Koc = 1

Isopropanol
Koc = 3.478

Bioaccumulative Potential
Propane-1,2-diol
Log Kow = -1.07

Ethanol
Log Kow = -0.35

Isopropanol

Log Kow = 0.05, BCF = 1.015

Other Adverse Effects
Not available

Environmental Protection
Do not discharge this material into waterways, drains and sewers.

Acute Toxicity - Fish
Propane-1,2-diol
LC50(fish): 40613 mg/l/96h
LC50(fish): 18340 mg/l/48h

Ethanol
LC50(fish): 14.2-15.4 g/l/96h

Isopropanol
LC50(fish): 9.64-10 g/l/96h

Carbon black
LC50(fish): > 100 mg/l/96h

Acute Toxicity - Daphnia
Propane-1,2-diol
EC50(aquatic invertebrates): 19000 mg/l/96h

Ethanol
EC50(aquatic invertebrates): 1806 mg/l/240h
EC50(aquatic invertebrates): 454 mg/l/216h
EC50(aquatic invertebrates): 10 g/l/48h

Isopropanol
EC50(aquatic invertebrates): > 10mg/l/24h

Carbon black
EC50(aquatic invertebrates): > 5600 mg/l/24h

Acute Toxicity - Algae
Propane-1,2-diol
EC50(aquatic algae and cyanobacteria): 18340 mg/l/48h

Ethanol
EC50(aquatic plants other than algae): 4.432 - 5.967 g/l/168h
EC50(aquatic algae and cyanobacteria): 275 mg/l/72h
EC50(aquatic algae and cyanobacteria): 675 - 22000 mg/l/96h

Carbon black
EC50(Aquatic algae and cyanobacteria): > 10000 mg/l/72h

Chronic Toxicity - Fish
Ethanol
NOEC(fish): 250-1000 mg/l/120h

Isopropanol
NOELR(fish): 1 mg/l/672h

Chronic Toxicity - Daphnia
Ethanol
NOEC(aquatic invertebrates): 2-9.6 mg/l/240h

Propane-1,2-diol
NOEC(aquatic invertebrates): 13020 mg/l/168h

Isopropanol

NOELR(aquatic invertebrates): 1 g/l/504h

Chronic Toxicity - Algae
Ethanol
NOEC(aquatic algae and cyanobacteria): 11.5 mg/l/72h

Isopropanol
NOEC(aquatic algae and cyanobacteria): 1800 mg/l/168h

Hazardous to the Ozone Layer
This product is not expected to deplete the ozone layer.

Section 13 - Disposal Considerations

Disposal Considerations
Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature. To minimise personal exposure, refer to Section 8 - Exposure Controls and Personal Protection.

Section 14 - Transport Information

Transport Information
Road and Rail Transport (ADG Code):
This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:
- Class 1: Explosives
- Division 2.1: Flammable Gases.
(Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L)
- Division 2.3: Toxic Gases
- Division 4.2: Spontaneously Combustible Substances
- Division 5.1: Oxidising substances
- Division 5.2: Organic Peroxides
- Class 6: Toxic or Infectious Substances
(where the flammable liquid is nitromethane)
- Class 7: Radioactive materials unless specifically exempted

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
Class/Division: 3
UN No: 3540
Proper Shipping Name: ARTICLES CONTAINING FLAMMABLE LIQUID, N.O.S (CONTAINS ETHANOL & ISOPROPANOL)
Packing Group: -
EMS: F-E,S-D
Special Provisions: 274, 391

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
Class/Division: 3
UN No: 3540
Proper Shipping Name: ARTICLES CONTAINING FLAMMABLE LIQUID, N.O.S (CONTAINS ETHANOL & ISOPROPANOL)
Packing Group: -
Packaging Instructions (passenger & cargo): -
Packaging Instructions (cargo only): -
Hazard Label: Flammable liquid

Special Provisions: A2, A806

UN Number
3540

Proper Shipping Name
ARTICLES CONTAINING FLAMMABLE LIQUID, N.O.S.(Contains ethanol & isopropanol)

Transport Hazard Class
3

Special Precautions for User
Not available

IMDG Marine pollutant
No

Transport in Bulk
Not available

Section 15 - Regulatory Information

Regulatory Information
Ink:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule
Not Scheduled

Montreal Protocol
Not listed

Stockholm Convention
Not listed

Rotterdam Convention
Not listed

International Convention for the Prevention of Pollution from Ships (MARPOL)
Not available

Agricultural and Veterinary Chemicals Act 1994
Not available

Basel Convention
Not available

Section 16 - Any Other Relevant Information

Date of Preparation
SDS created: June 2025

Version Number
1.0

Literature References
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Code of Practice for Supply Diversion into Illicit Drug Manufacture.
National Code of Practice for Chemicals of Security Concern.
Agricultural Compounds and Veterinary Chemicals Act.
International Agency for Research on Cancer (IARC) Monographs.
Montreal Protocol on Substances that Deplete the Ozone Layer.

Stockholm Convention on Persistent Organic Pollutants (POPs).
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.
Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.
International Air Transport Association (IATA) Dangerous Goods Regulations.
International Maritime Dangerous Goods (IMDG) Code.
Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).
Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

END OF SDS