

Safety Data Sheet (SDS)

Printing Date: 01.06.2018

Version Number 2

Revision date: 01/12/2022

Section 1 –Identification: Product identifier and chemical identity

•1.1 Product identifier

•Trade name: Paint marker inks all color

•1.2 Relevant identified uses of the substance or mixture and uses advised against application of the substance / the mixture Lacquer

Intended use Inks for valve marker pen

•1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

KABIOTECH INDUSTRY CO., LIMITED

Overseas Chinese Fine Chemical Industrial Zone, Yingde, Qingyuan, Guangdong, China

Tele-Nr. (+86)- 755-22214189

Fax-Nr. (+86)- 755-22214186

•1.4 Emergency telephone number: +86-755-22214189

•1.5 Details of the importer in Australia

Importer:

Silver Zinc Supplies

Unit 2/10 Maiella Street Stapylton QLD 4207, Australia

Tele-Nr. (+61)- 07-3287-4567

Fax-Nr. (+61)- 07-3287-4568

Emergency telephone number: +61-07-3287-4567

Section 2 –Hazard identification2.1 Classification of the substance or mixture

Danger Identification.

Because of its chemical-physical features, this product is graded as flammable (flash-point 21 °C or higher and 55 °C or lower).

REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.

VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS

SECTION 3: Composition/information on ingredients

INGREDIENTS	CAS NO INDEX	ENIECS	WT(%)
N-butyl acetate	123-86-4	204-658-1	50
1-methoxypropan-2-ol	107-98-2	203-539-1	30
Butanone	78-93-3	201-159-0	6
2-methoxy-1-methylethyl acetate	108-65-6	203-603-9	6
Titanium dioxide	13463-67-7	643-044-1	1
6,15-dihydroanthrazine-5,9,14,18-tetrone	81-77-6	201-375-5	1

Section 4 – First aid measures

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

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Skin contact: Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Do not induce vomiting. Call a physician immediately. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.

Section 5 - Fire-fighting measures

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Excess pressure may form in containers exposed to fire at a risk of explosion. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water and the remains of the fire according to applicable regulations.

SUITABLE EXTINGUISHING MEDIA

The extinction equipment should contain carbon dioxide, foam or chemical powders. For product leaks and spills that have not caught fire, nebulised water can be used to dispel flammable fumes and protect the individuals taking part in stemming the leak.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products (carbon oxide, toxic pyrolysis products, etc).

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with ties around arms, legs and waist) work gloves (fireproof, cut proof and dielectric), self-respirator (self-protector).

Section 6 - Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. If there are no contraindications, spray solid products with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or the leaked product before donning appropriate protective gear. For information on risks for the environmental and health, respiratory tract protection, ventilation and personal protection equipment, see the other sections of this sheet.

· 6.2 Environmental precautions:

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

· 6.3 Methods and material for containment and cleaning up:

Use inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc.) to soak up leaked product. Collect the majority of the remaining material and deposit it in containers for disposal. If there are no

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contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

Section 7 - Handling and Storages

Store in a well ventilated place, keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, bright flames and sparks and other sources of ignition.

Section 8 - Exposure controls and personal protection

• 8.1 Control parameters

Name	Type	Country	TWA/8h	STEL/15min		Name
mg/m ³	ppm	mg/m ³	ppm			mg/m ³
BUTANONE	TLV-ACGIH	590	885			BUTANONE
OEL	EU	600	200	900	300	OEL
OEL	IRL	200	300			OEL
WEL	UK	200	300			WEL
N-BUTYL	ACETATE	TLV-ACGIH	713	950		N-BUTYL
OEL	IRL	150	200			OEL
WEL	UK	150	200			WEL

• 8.2 Exposure controls

• **Personal protective equipment:** Not required for normal use.

• **General protective and hygienic measures:** As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use. Ask your chemical substance suppliers for advice when choosing personal protection equipment. Personal protection equipment must comply with the rules in force indicated below.

• **Respiratory protection:** If the threshold value for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear a mask with an A or universal filter, the class (1, 2 or 3) of which must be chosen according to the limit concentration of use (ref. standard EN 141). The use of breathing protection equipment, such as masks with organic vapour and dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure. The protection provided by masks is in any case limited. If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref. standard EN 138).

An emergency eye washing and shower system must be provided.

• **Protection of hands:** Protect hands with category II (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in PVC, neoprene, nitril or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked

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before use, as it can be unpredictable. Gloves' limit depends on the duration of exposure.

· **Eye protection:** Wear protective airtight goggles (ref. standard EN 166).

Section 9 - Physical and chemical properties

Appearance:	liquid
Odour:	Faint odor
Odour threshold:	Not determined
pH:	Not determined
Self-igniting	Product is not self-igniting.
Melting point/freezing point:	Not available
Boiling point:	126°C
Flash point:	>21°C
Evaporation rate:	Not determined
Flammability (solid, gas):	Nonflammable
Upper/lower flammability or explosive limits:	Not determined
Vapour pressure (Kpa):	2.0
Vapour density:	Not determined
Relative density:	0.9~1.1g/cm ³
Solubility:	Insoluble in water
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	7.5(upper)/1.2 (lower)
Oxidising properties:	Not determined
Partition coefficient (n-octanol/water)	Not determined

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Section 10 - Stability and reactivity

- **10.1 Reactivity:** Stable under recommended storage and handling conditions.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbon oxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:** Heating. Fire.
- **10.5 Incompatible materials:** strong oxidizing agents. strong acids. Alkali Hazardous decomposition products: carbon monoxide. Carbon dioxide.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

Section 11 - Toxicological information

This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure. This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

N-butyl acetate: the vapours are particularly irritating to the eyes and respiratory tract and at high concentrations O-they are also narcotic.

Frequent contact with the skin may cause dermatitis (INR nr. 31, 1987).

METHYLETHYL KETONE: oral LD50 (mg/kg) 2737 (RAT) ; dermal LD50 (mg/kg) 6480 (RABBIT) ; inhalation LC50 (rat) 23,5 mg/l/8h.

Section 12 - Ecological information

- **12.1 Toxicity:** Not available
- **12.2 Persistence and degradability:** Not available
- **12.3 Bioaccumulative potential:** Not available
- **12.4 Mobility in soil:** Not available
- **12.5 Results of PBT and vPvB assessment:** Not available
- **12.6 Other adverse effects:** No further relevant information available.

Section 13 - Disposal considerations

• 13.1 Waste treatment methods

Disposal must be made according to official regulations.

Section 14 - Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packagings or in packaging made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

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Road and rail transport:

ADR/RID Class: 3 UN: 1263

Packing Group: III

Label: 3

Nr. Kemler: 30

Limited Quantity: LQ07

Tunnel restriction code: (D/E)

Proper Shipping Name: PAINT or PAINT RELATED MATERIAL

Special Provision: 640E



Carriage by sea (shipping):

IMO Class: 3 UN: 1263

Packing Group: III

Label: 3

EMS: F-E , S-E

Marine Pollutant: NO

Proper Shipping Name: PAINT or PAINT RELATED MATERIAL



Transport by air:

IATA: 3 UN: 1263

Packing Group: III

Label: 3

Cargo:

Packaging instructions: 310

Maximum quantity: 220 L

Pass.:

Packaging instructions: 309

Maximum quantity: 60 L

Special Instructions: A3, A72

Proper Shipping Name: PAINT or PAINT RELATED MATERIAL



Section 15 - Regulatory information

The product listed on this Material Safety Data Sheet is not listed on the Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on the TSCA Inventory.

Section 16 - Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H302 Harmful if swallowed.