

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

**BK299**

Revision 1

Revision date 2019-12-12

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name 119.BK124.125 / 119.BK124.126

### 1.3. Details of the supplier of the safety data sheet Company

National Coding Technologies P/L

Address unit 5c /46 Mileham Road Sydney  
NSW

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

2.1.1. Classification - F; R11 Xi; R36 R52/53-66-67  
1999/45/E C Symbols: F: Highly flammable. Xi: Irritant.  
Main hazards Highly flammable. Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Butanone (Butan-2-one (methyl ethyl ketone))	606-002-00-3	78-93-3	201-159-0		60 - 70%	F; R11 Xi; R36 R66 R67
Trade Specified Denatured Alcohol (Ethanol)		64-17-5			1 - 10%	F; R11
Metal Complex Black Dye 29		117527-94-3	403-720-7		1 - 10%	N; R51/53
Butan-1-ol	603-004-00-6	71-36-3	200-751-6		1 - 10%	R10 Xn; R22 Xi; R37/38-41 R67
Ethyl acetate	607-022-00-5	141-78-6	205-500-4		1 - 10%	F; R11 Xi; R36 R66 R67

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. <b>DO NOT INDUCE VOMITING.</b>

## SECTION 5: Firefighting measures

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## 5.1. Extinguishing media

	Carbon dioxide (CO <sub>2</sub> ).
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## 5.2. Special hazards arising from the substance or mixture

	Highly flammable. Burning produces irritating, toxic and obnoxious fumes. Vapour may travel considerable distance to source of ignition and flash back.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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**SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment. Eliminate all sources of ignition. Evacuate personnel to a safe area.
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## 6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking.
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## 7.2. Conditions for safe storage including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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**SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Butan-1-ol	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m <sup>3</sup> : -
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m <sup>3</sup> : 154
Butanone (Butan-2-one (methyl ethyl ketone))	WEL 8-hr limit ppm: 200	WEL 8-hr limit mg/m <sup>3</sup> : 600
	WEL 15 min limit ppm: 300	WEL 15 min limit mg/m <sup>3</sup> : 899
Ethyl acetate	WEL 8-hr limit ppm: 200	WEL 8-hr limit mg/m <sup>3</sup> : -
	WEL 15 min limit ppm: 400	WEL 15 min limit mg/m <sup>3</sup> : -
Trade Specified Denatured Alcohol (Ethanol)	WEL 8-hr limit ppm: 1000	WEL 8-hr limit mg/m <sup>3</sup> : 1920
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m <sup>3</sup> : -

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear suitable respiratory equipment when necessary.

**SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Black
Odour	Characteristic
Boiling point	78
Flash point	-4
Relative density	0.880

## Water solubility

Slightly soluble in water.

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Oxidising agents.

## 10.4. Conditions to avoid

Heat, sparks and open flames.

## SECTION 11: Toxicological information

## 11.1.4. Toxicological Information

Butan-1-ol	Inhalation Rat LC50/4H h: 24000 mg/m <sup>3</sup> Oral Mouse LD50: 100 mg/kg	Oral Rat LD50: 790 mg/kg Dermal Rabbit LD50: 3400 mg/kg
Butanone	Inhalation Rat LC50/8 h: 23500 mg/m <sup>3</sup> Oral Mouse LD50: 2190 mg/kg	Oral Rat LD50: 2737 mg/kg Dermal Rabbit LD50: 6480 mg/kg
Ethyl acetate	Oral Rat LD50: 5620 mg/kg Inhalation Mouse LC50/2H h: 45 gm/m <sup>3</sup>	Oral Mouse LD50: 4100 mg/kg Dermal Rabbit LD50: >20 mL/kg
Trade Specified Denatured Alcohol	Inhalation Rat LC50/10H h: 20000 ppm Oral Mouse LD50: 3450 mg/kg	Oral Rat LD50: 7 gm/kg Inhalation Mouse LC50/4H h: 39 gm/m <sup>3</sup>

## SECTION 12: Ecological information

## SECTION 13: Disposal considerations

## General information

Dispose of in compliance with all local and national regulations.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN1210



## 14.2. UN proper shipping name

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## 14.3. Transport hazard class(es)

14.3. Transport hazard class(es)	
ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-
14.4. Packing group	
Packing group	II
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	
Hazard ID	33
Tunnel Category	(D/E)
TMDG	
EmS Code	F-E S-D
IATA	
Packing Instruction (Cargo)	364
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L

### SECTION 15: Regulatory information

Labelling	
Symbols	The product is classified in accordance with 67/548/EEC. F: Highly flammable. Xi: Irritant.
Risk phrases	 
Safety phrases	<p>R11 - Highly flammable. R36 - Irritating to eyes. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.</p> <p>S16 - Keep away from sources of ignition - No smoking.</p>

### SECTION 16: Other information

Other information	
Revision	This document differs from the previous version in the following areas:. 9 - 9.1. Information on basic physical and chemical properties (State). 9 - 9.1. Information on basic physical and chemical properties (Colour). 9 - 9.1. Information on basic physical and chemical properties (Odour). 14 - IMDG.
Text of risk phrases in Section 3	R10 - Flammable R11 - Highly flammable. R22 - Harmful if swallowed.

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## Other information

	<p>R36 - Irritating to eyes. R37/38 - Irritating to respiratory system and skin. R41 - Risk of serious damage to eyes. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.</p>
Further information	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>