

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : Signet One Shot Ink -Various colours  
Product code : 13810 13811 13812 13813

#### 1.2. Other means of identification

Synonyms : 13810 Signet One shot Black; 13811 Signet One shot Red; 13812 Signet One shot Blue;  
13813 Signet One shot Green

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Quick flowing stencilling ink. For use through "oneshot" stencilling systems. FC-75 FC-40  
Rollers and KC-40 Brush. Packed in sealed cartridges.  
Use according to manufacturer's directions.  
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

#### 1.4. Details of manufacturer or importer

##### Supplier

Signet Pty Ltd  
56 Ingleston Rd  
WAKERLEY, QLD 4154  
Australia  
T +61 (07) 3179 2100  
[sales@signet.net.au](mailto:sales@signet.net.au) - [www.signet.net.au](http://www.signet.net.au)

#### 1.5. Emergency phone number

Emergency number : Office hours: +61 (07) 3179 2100  
Poisons Information Centre (24 h): 13 11 26

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 3 H226  
Serious eye damage/eye irritation, Category 2A H319

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Flame

Exclamation  
mark

Signal word (GHS AU) : Warning  
Contains : 4-hydroxy-4-methylpentan-2-one; diacetone alcohol ( $\geq 60\%$ )  
Hazard statements (GHS AU) : H226 - Flammable liquid and vapour  
H319 - Causes serious eye irritation  
Precautionary statements (GHS AU) : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P233 - Keep container tightly closed.

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P240 - Ground and bond container and receiving equipment.  
P241 - Use explosion-proof equipment.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water .

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition and information on ingredients

Name	CAS-No.	%
4-hydroxy-4-methylpentan-2-one; diacetone alcohol	123-42-2	≥ 60
dyes	-	< 10

## SECTION 4: First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Symptoms caused by exposure

Symptoms/effects after eye contact : Eye irritation.

### 4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Unsuitable extinguishing media are not known.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour.  
General measures : No action shall be taken without appropriate training or involving any personal risk. Notify authorities if product enters sewers or public waters.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Keep upwind. Fight fire from safe distance and protected location.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.  
Hazchem Code : \* 3Y

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### SECTION 6: Accidental release measures

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

- General measures : No action shall be taken without appropriate training or involving any personal risk. Notify authorities if product enters sewers or public waters.
- 6.1.1. For non-emergency personnel**
- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.
- 6.1.2. For emergency responders**
- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and materials for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.
- Information on mixed storage : Store away from incompatible materials and products. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
- Storage area : Keep out of direct sunlight.
- Special rules on packaging : Position containers so that any labeling information is visible. Keep packaging closed when not in use. Check containers and packaging regularly for leaks and damage.
- Packaging materials : Keep only in original packaging.

### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

No additional information available

#### 8.2. Monitoring methods

- Monitoring methods : Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. Gas detectors should be used when flammable gases/vapours may be released.

#### 8.3. Engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Use spark-/explosionproof appliances and lighting system. Use grounded electrical/mechanical equipment.

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### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment	: Personal protective equipment (PPE) must be suited to the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Avoid all unnecessary exposure. Ocular shower with suitable liquid.
Hand protection	: Wear protective gloves: Antistatic gloves
Eye protection	: Wear eye protection: Chemical goggles or safety glasses
Skin and body protection	: Wear foot protection: antistatic boots. Wear protective clothing: Antistatic clothing, Flame retardant protective clothing
Respiratory protection	: If vapour is released : Disposable half mask

#### Personal protective equipment symbol(s)



Consumer exposure controls	: Personal protective equipment (PPE) is not required when handling individual retail pack.
Other information	: PPE compliant to the recommended standards should be selected. The following Australian and New Zealand Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

### SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Coloured low viscosity flammable liquid with a pleasant characteristic odour.
Molecular mass	: Not applicable
Colour	: Various colours
Odour	: Not available
Odour threshold	: No data available
pH	: Not available
pH solution	: Not available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: Not available
Boiling point	: 140 – 175 °C
Flash point	: 34 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Flammability	: No data available
Vapour pressure	: Vapour pressure: 13 kPa at 20°C.
Relative density	: Relative vapour density at 20°C: Not available. (Air=1).
Density	: Relative density: 1.013 – 1.053 (Water = 1).
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: Not available
Viscosity, kinematic	: Not available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: Not available
Fat solubility	: No data available

### SECTION 10: Stability and reactivity

Reactivity	: Flammable liquid and vapour.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Strong acids. Strong bases. Strong oxidizers.

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Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified  
Skin corrosion/irritation : Not classified  
pH: Not available  
Serious eye damage/irritation : Causes serious eye irritation.  
pH: Not available  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

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Viscosity, kinematic	Not available
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#### dyes

Animal studies and expert judgment for classification	False
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Viscosity, kinematic	Not applicable
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#### 4-hydroxy-4-methylpentan-2-one; diacetone alcohol (123-42-2)

Animal studies and expert judgment for classification	False
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### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term : Not classified  
(acute)  
Hazardous to the aquatic environment, long-term : Not classified  
(chronic)

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	Not available
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#### 12.4. Mobility in soil

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Partition coefficient n-octanol/water (Log Pow)	Not available
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### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

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Fluorinated greenhouse gases	False
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#### dyes

Fluorinated greenhouse gases	False
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#### 4-hydroxy-4-methylpentan-2-one; diacetone alcohol (123-42-2)

Fluorinated greenhouse gases	False
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## SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Additional information : Flammable vapours may accumulate in the container.

## SECTION 14: Transport information

ADG	IMDG	IATA
<b>14.1. UN number</b>		
1210	1210	1210
<b>14.2. UN Proper Shipping Name</b>		
PRINTING INK	PRINTING INK	Printing ink
<b>14.3. Transport hazard class(es)</b>		
3	3	3
		
<b>14.4. Packing group</b>		
III - Substances presenting low danger	III	III
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No

### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available

#### Transport by road and rail

UN-No. (ADG) : 1210  
Special provision (ADG) : 163, 223, 367  
Limited quantities (ADG) : 5I  
Excepted quantities (ADG) : E1  
Packing instructions (ADG) : P001, IBC03, LP01  
Special packing provisions (ADG) : PP1  
Portable tank and bulk container instructions (ADG) : T2

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Portable tank and bulk container special provisions : TP1  
(ADG)

### Transport by sea

UN-No. (IMDG) : 1210  
Special provisions (IMDG) : 163, 223, 367, 955  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T2  
Tank special provisions (IMDG) : TP1  
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS  
EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS  
Stowage category (IMDG) : A  
Properties and observations (IMDG) : Fluid or viscous liquid containing colouring matter in solution or suspension. Miscibility with water depends upon the solvent.

### Air transport

UN-No. (IATA) : 1210  
PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y344  
PCA limited quantity max net quantity (IATA) : 10L  
PCA packing instructions (IATA) : 355  
PCA max net quantity (IATA) : 60L  
CAO packing instructions (IATA) : 366  
CAO max net quantity (IATA) : 220L  
Special provisions (IATA) : A3, A72, A192  
ERG code (IATA) : 3L

## 14.8. Hazchem or Emergency Action Code

Hazchem Code : \* 3Y

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS : Listed  
Inventory) status

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Unscheduled

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

#### Indication of changes:

Update of the SDS from former GHS version to the 7th edition of the GHS (GHS 7).

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Data sources	: Safe Work Australia - Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals Safe Work Australia - Code of Practice - Labelling of Workplace Hazardous Chemicals Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants Safe Work Australia - Hazardous Chemical Information System (HCIS) Australian Inventory of Industrial Chemicals (AICIS Inventory) Environmental Protection Authority - Hazardous Substances (Hazard Classification) Notice 2020 Environmental Protection Authority - Hazardous Substances (Safety Data Sheets) Notice 2017 Environmental Protection Authority - Hazardous Substances (Labelling) Notice 2017 New Zealand - Chemical Classification and Information Database (CCID) New Zealand - Inventory of Chemicals (NZIoC) European Chemicals Agency (ECHA) - Annex VI (C&L Inventory) European Chemicals Agency (ECHA) - REACH Study Results European Chemicals Agency (ECHA) - REACH Registration Dossiers United Nations - Globally Harmonised System of Classification and Labelling of Chemicals (GHS) Uniform Scheduling of Medicines and Poisons (SUSMP) United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG Model Regulation) Australian Dangerous Goods Code (ADG Code) International Air Transport Association Dangerous Goods Regulations (IATA DGR) International Maritime Dangerous Goods (IMDG Code).
Date of revision	: 17/07/2023

Classification	
Flam. Liq. 3	H226
Eye Irrit. 2A	H319

Full text of H-statements	
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour
H319	Causes serious eye irritation

Safety Data Sheet (SDS), Australia

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.