

## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name: Accelerator for pad printing**
- **Article number: Series 700-019**
- **Application of the substance / the preparation Additive**

**SUPPLIER:** Colour Components  
 24 / 25 Ingleston Rd, Tingalpa QLD 4173  
 Tel: 1300 196 156 email: [mail@colourcomponents.com.au](mailto:mail@colourcomponents.com.au)

**Emergency Information Tel: 1300 196 156**  
 Poisons Information Centre Hotline  
 13 11 26 (Australia)  
 0800 764 766 (New Zealand)

## 2 Hazards identification

- **Hazard description:**



*Xi Irritant*

- **Information concerning particular hazards for human and environment:**  
 The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
 At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.  
 R 10 Flammable.  
 R 36 Irritating to eyes.  
 R 66 Repeated exposure may cause skin dryness or cracking.  
 R 67 Vapours may cause drowsiness and dizziness.
- **Classification system:**  
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate	☒ Xi; R 10-36	25-50%
CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate	R 10-66-67	25-50%
CAS: 108-94-1 EINECS: 203-631-1	cyclohexanone	☒ Xn; R 10-20	10-25%
CAS: 107-98-2 EINECS: 203-539-1	1-methoxy-2-propanol	R 10	10-25%
CAS: 124-68-5	2-Amino-2-methyl-1-propanol	☒ Xi; R 36/38-52/53	1-2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

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- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

## 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** Wear self-contained respiratory protective device.

## 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

### 108-65-6 2-methoxy-1-methylethyl acetate

WEL	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm
	Long-term value: 274 mg/m <sup>3</sup> , 50 ppm
	Sk

### 123-86-4 n-butyl acetate

WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm
	Long-term value: 724 mg/m <sup>3</sup> , 150 ppm

### 108-94-1 cyclohexanone

WEL	Short-term value: 20 ppm
	Long-term value: 10 ppm
	Sk

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**107-98-2 1-methoxy-2-propanol**

WEL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm Sk
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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

**General Information**

<b>Form:</b>	Liquid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

**Change in condition**

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 120°C

· **Flash point:** 27°C (Abel Pensky)

· **Ignition temperature:** 270°C

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· <b>Self-igniting:</b>	<i>Product is not selfigniting.</i>
· <b>Danger of explosion:</b>	<i>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</i>
· <b>Explosion limits:</b>	
<b>Lower:</b>	1.2 Vol %
<b>Upper:</b>	10.8 Vol %
· <b>Vapour pressure at 20°C:</b>	12 hPa
· <b>Density at 20°C:</b>	0.937 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	<i>Not miscible or difficult to mix.</i>
· <b>Viscosity:</b>	
<b>Dynamic at 20°C:</b>	10 mPas
<b>VOC (EC)</b>	97.90 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
*No decomposition if used according to specifications.*
- **Materials to be avoided:**
- **Dangerous reactions:** *No dangerous reactions known.*
- **Dangerous decomposition products:** *No dangerous decomposition products known.*

## 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

### 108-94-1 cyclohexanone

Oral	LD50	1535 mg/kg (rat)
Dermal	LD50	948 mg/kg (rabbit)
Inhalative	LC50/4 h	8000 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *Irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**  
*The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:*  
*Irritant*

## 12 Ecological information

- **Additional ecological information:**
- **General notes:**  
*Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

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### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

07 07 04*	other organic solvents, washing liquids and mother liquors
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1210
- **Packaging group:** III
- **Hazard label:** 3
- **Description of goods:** 1210 PRINTING INK RELATED MATERIAL
- **Tunnel restriction code** D/E

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1210
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E, S-D
- **Marine pollutant:** No
- **Proper shipping name:** PRINTING INK RELATED MATERIAL

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1210
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** PRINTING INK RELATED MATERIAL

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## 15 Regulatory information

· **Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*

· **Code letter and hazard designation of product:**



*Xi Irritant*

· **Risk phrases:**

*10 Flammable.  
36 Irritating to eyes.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.*

· **Safety phrases:**

*23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
24/25 Avoid contact with skin and eyes.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.  
60 This material and its container must be disposed of as hazardous waste.*

## 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 R-phrases**

*10 Flammable.  
20 Harmful by inhalation.  
36 Irritating to eyes.  
36/38 Irritating to eyes and skin.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause drowsiness and dizziness.*

· **Department issuing MSDS: Product safety department**

· **Contact:**

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