

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME            FORMOL SALINE

PRODUCT CODE            64180x

<u>SUPPLIER</u>	Clin-Tech Limited	Telephone	+44 (0)1483 301902
	Unit G, Perram Works	Fax	+44 (0)1483 301907
	Merrow Lane		
	Guildford, Surrey	Email	info@clin-tech.co.uk
	GU4 7BN	Website	www.clin-tech.co.uk
	UK		

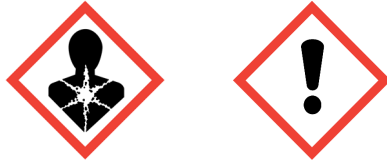
## 2. HAZARDS IDENTIFICATION

### CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 4)	H302
Skin Sensitisation (Category 1)	H317
Carcinogenicity (Category 2)	H351

### LABELLING ACCORDING TO REGULATION (EC) No 1272/2008 [EU-GHS/CLP]

#### WARNING



#### Hazard statement(s)

H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H351	Suspected of causing cancer

#### Precautionary statement(s)

P280	Wear protective gloves/protective clothing/eye protection/face protection
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**CONTINUED OVERLEAF**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC #	CAS #	Content	Classification
FORMALDEHYDE	200-001-8	50-00-0	1-5%	Acute Tox. 3; Skin Corr. 1B; Skin Sens. 1; Carc. 2; H301 + H311 + H331, H314, H317, H351
METHANOL	200-659-6	67-56-1	1-3%	Flam. Liq. 2; Acute Tox. 3; STOT SE 1 H225 H301 H311 H331 H370
SODIUM CHLORIDE	231-598-3	7647-14-5	0-1%	

### 4. FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

#### INGESTION

Do not induce vomiting. Never make an unconscious person vomit or drink fluids. Get medical attention immediately. Show the label or this document to the physician.

#### SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water. If symptoms occur seek medical attention.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 5. FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use: Dry chemical, Alcohol-resistant foam, Water spray, or Carbon dioxide.

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this SDS. Avoid breathing vapours or mists. Ensure adequate ventilation. Remove sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to explosive concentrations.

## ENVIRONMENTAL PRECAUTIONS

Prevent further spillage if safe to do so. Do not allow spillage to enter watercourses, drains or sewers.

## SPILL CLEAN-UP METHODS

Provide ventilation and confine spill. Do not allow runoff to sewer. Inform Authorities if large amounts are involved. Absorb with vermiculite, dry sand or earth. Shovel up residue and collect for authorised disposal (see section 13). Flush area with plenty of water.

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## 7. HANDLING & STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Risk of vapour concentration on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented.

### STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

### STORAGE CLASS

Chemical storage.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std	8h TWA		STEL	
FORMALDEHYDE	WEL	2 ppm	2.5 mg/m <sup>3</sup>	2 ppm	2.5 mg/m <sup>3</sup>
METHANOL	WEL (skin)	200 ppm	260 mg/m <sup>3</sup>	250 ppm	333 mg/m <sup>3</sup>

*WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.*

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation. Provide explosion-proof ventilation for high concentrations.

### PROTECTIVE EQUIPMENT



### HAND PROTECTION

Use protective gloves made of: Butyl rubber (immersion protection) or Nitrile rubber (splash protection). The most suitable glove should be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved, tight-fitting safety glasses where splashing is probable.

### RESPIRATORY EQUIPMENT

Self-contained breathing apparatus where high vapour levels are likely.

## OTHER PROTECTION

Provide eyewash station.

## HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colourless Liquid
ODOUR	Acrid (formaldehyde)
(SOLUBILITY) / MISCIBLE WITH:	Water; Ethanol; Ether; Benzene; Organic solvents
MELTING POINT	~ 0 °C
BOILING POINT	~ 100 °C
FLASH POINT (CLOSED CUP)	~ 85 °C
SPECIFIC GRAVITY	~1.08 @ 20 °C
VAPOUR PRESSURE	53 hPa @ 39 °C

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## 10. STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Extremes of temperature, direct sunlight.

### INCOMPATIBLE MATERIALS

Strong bases, Acids, Oxidizing agents, Alkali metals, Strong oxidizing agents, Amines, Strong acids, Acid chlorides, Acid anhydrides, Reducing agents, Peroxides, Isocyanates, Phenol, Aniline.

### HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

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## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

IARC – Group 1: Carcinogenic to humans (Formaldehyde)

### INHALATION

May be harmful by inhalation. May cause respiratory tract irritation.

### INGESTION

Harmful if swallowed.

### SKIN CONTACT

May be harmful if absorbed through the skin. May cause skin irritation.

## EYE CONTACT

May causes eye irritation.

## ADDITIONAL INFORMATION

Methanol may be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

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## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment. However, the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

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## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Incinerate in suitable combustion chamber. Dispose of waste and residues in accordance with local authority requirements.

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## 14. TRANSPORT INFORMATION

	UN #	Class	Packing	Proper shipping name
<u>RID / ADR</u>	<i>Not regarded as hazardous for transport</i>			
<u>IATA</u>				
<u>IMDG</u>				

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## 15. REGULATORY INFORMATION

### STATUTORY INSTRUMENTS

This MSDS complies with regulation (EC) no. 1907/2006.  
Workplace Exposure Limits EH40/2011.

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## 16. OTHER INFORMATION

### GENERAL INFORMATION

This safety data sheet covers all codes for this product.

### REVISION INFORMATION

Revision No.	04
Revision Date	10/2015
Comments	GHS regulations incorporated
Replaces Document Generated	12/2013

### HAZARD STATEMENTS IN FULL

H225	Highly Flammable liquid and vapour
H301	Toxic if swallowed
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled
H302	Harmful if swallowed
H311	Toxic in contact with skin

# Clin-Tech Ltd.

64180x  
Formol Saline  
Revision 04 – Date 10/2015

H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H351	Suspected of causing cancer
H370	Causes damage to organs