



SAFETY DATA SHEET

Formalin 5%

Date of issue - 20/03/2007.

R21682

Section 1. Chemical Product and Company Identification

Product No. R21682
Trade name Formalin 5%
Manufacturer REMEL Inc.
12076 Santa Fe Drive
P.O. Box 14428
Lenexa
Kansas KS 66215
U.S.A.
Tel: (+1) 913 888 0939
Fax: (+1) 913 895 4128
Emergency: Chemtrec USA 800-424-9300

Supplier OXOID LIMITED
Wade Road
Basingstoke
Hants
RG24 8PW
Tel: + 44 1256 841144

Section 2. Composition, Information on Ingredients

Preparation - Hazardous ingredients (Europe)

Component	CAS No.	Concentration	Classification	Risk Phrases
Formaldehyde (Formalin)	50-00-0	5.00 % v/v	T - Toxic.	R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.
	200-001-8		C - Corrosive. Carc. Cat. 3	R34- Causes burns. R40- Limited evidence of a carcinogenic effect.
			Xi - Irritant.	R43- May cause sensitization by skin contact.
Methanol	67-56-1	1.00 % v/v	F - Highly flammable.	R11- Highly flammable.
	200-659-6		T - Toxic.	R23/24/25- Toxic by inhalation, in contact with skin and if swallowed. R39/23/24/25- Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.



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Section 3. Hazards Identification

Most Important Hazards

Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes, respiratory system and skin.
Limited evidence of a carcinogenic effect.
May cause sensitization by skin contact.

Section 4. First Aid Measures

First Aid - Eyes

Check for and remove any contact lenses. In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

First Aid - Skin

In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Obtain medical attention immediately.

First Aid - Ingestion

Wash out mouth with water. Have victim drink 1-3 glasses of water to dilute stomach contents.

First Aid - Inhalation

Remove from exposure. Seek medical attention if you feel unwell.

Section 5. Fire Fighting Measures

Extinguishing Media - Suitable

SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Section 6. Accidental Release Measures

Personal Precautions

Wear appropriate protective clothing. Safety glasses or chemical goggles to EN166, 167 and 168. Nitrile gloves.

Spill

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Section 7. Handling and Storage

Handling

Avoid contact with eyes, skin and clothing.

Storage

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls, Personal Protection

Protective Measures - Respiratory

Recommended: Handle the material in a fume hood/cupboard or under local exhaust ventilation.

Protective Measures - Hands

Nitrile gloves.

Protective Measures - Eyes

Safety glasses or chemical goggles to EN166, 167 and 168.

Protective Measures - Body

Lab coat.

Section 9. Physical and Chemical Properties

Physical state

Liquid.

Colour

Colourless.



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Section 10. Stability and Reactivity

Stability	Stable under recommended storage and handling conditions (see section 7).
Materials to avoid	Strong oxidising materials alkalis
Hazardous decomposition products	Trioxymethane precipitate can form at low temperatures.

Section 11. Toxicological Information

Acute toxicity	Harmful by inhalation, in contact with skin and if swallowed.
Sensitization - Skin	Hazardous in case of skin contact (sensitizer).
Chronic toxicity / Carcinogenic effects	Classified 3 (Possible for humans.) by European Union [Formaldehyde].

Section 12. Ecological Information

Ecotoxicity	Non-hazardous to aquatic species.
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Section 13. Disposal Considerations

Disposal considerations	Hazardous waste. Dispose of according to all federal, state and local applicable regulations.
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Section 14. Transport Information

UN : UN number	Not classified as dangerous
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Section 15. Regulatory Information

Label Requirements	Harmful
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Risk Phrases	R40- Limited evidence of a carcinogenic effect. R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin. R43- May cause sensitization by skin contact.
Safety Phrases	S36/37- Wear suitable protective clothing and gloves. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
EC Classification	Carc. Cat. 3 Xn - Harmful. Xi - Irritant.

Section 16. Other Information

MSDS first issued	20/03/2007
Notes	Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.

Labelling of packaging containing less than 125 ml will differ according to the EU preparations Directive 1999/45/EC.