

MATERIAL SAFETY DATA SHEET

According to EC Directive 91/58/EC



Stand: 15.12.2010
 Complement version from: 17.03.2006

IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Product type: Fixative and processing solution
 Product name: ParasiTrap[®] SAF solution
 Catalogue number(s): 8486, 8484, 8488, 8490, 8487
 Manufacturer, importer, supplier: Biosepar Gesellschaft für Medizin- und Labortechnik mbH
 Am Industriepark 3, D-84453 Muehldorf am Inn
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Emergency telephone number:
 International emergency: Contact local authorities
 Intended use: InVitro Diagnostic Medical Device

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature of the preparation

	CAS Number	EC Number	EC Index Number	Classifications	Content
Formaldehyde	50-00-0	200-001-8	605-001-00-5	Carc.Cat. 3; R40 T; R23/24/25 Xn; R43 C; R34	4%
Methanol	67-56-1	200-659-6	603-001-00-X	F; R11 T; R23/24/25-39/23/24/25	< 0,1%
Acetic acid	64-19-7	200-580-7	607-002-00-6	R10-35, S23-26-45	2,0%
Sodium acetate	6131-90-4	204-823-8	011-002-00-6	RT	1,5%
Eosin	548-26-5	200-659-6	603-001-00-X	R11, R23/24/25 39/23/24/25	< 0,001%

Other ingredients

Water (ca. 91,5%), glycerin (1%), detergent (0,1%).
 For the full text of the R phrases mentioned in this Section, see p. 5

HAZARDS IDENTIFICATION

Classification: Xn - Harmful
 Most important hazards Limited evidence of a carcinogenic effect
 May cause sensitization by skin contact

FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance. Avoid contact with skin, eyes and clothing. May cause sensitization by skin contact.
Skin contact	Wash off immediately with soap and plenty of water.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.
Inhalation	Move to fresh air. If exposure symptoms persist, seek medical attention.
Ingestion	Call a physician or Poison Control Centre immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Notes to physician	Treat symptomatically.

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FIRE-FIGHTING MEASURES

Flash point	105°C(>221 F)
Suitable extinguishing media	carbon dioxide (CO ₂) alcohol-resistant foam dry chemical
Extinguishing media which must not be used for safety reasons	No information available
Special protective equipment for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods	No information available

ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation
 Environmental precautions: No special environmental precautions required
 Methods for cleaning up: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container
 After cleaning, flush away traces with water

HANDLING AND STORAGE**Handling**

Do not breathe vapors or spray mist. Ensure that ventilation is adequate before using this product
 Avoid contact with skin and eyes. Take necessary personal protective precautions before using this product.

Storage

Technical measures/precautions: Store in a tightly closed container
 Store in a cool, dry, well ventilated area away from incompatible substances
 Incompatible products: Avoid strong bases, oxidizing agents
 Occupational exposure controls
 Engineering measures

EXPOSURE CONTROLS / PERSONAL PROTECTION

Ensure adequate ventilation, especially in confined areas. As a rule, at least 10 air changes per hour are recommended at the workplace.

Personal protective equipment

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
 Hand protection: Wear appropriate protective gloves
 Eye protection: Avoid contact with eyes
 Skin and body protection: Wear tightly fitting safety goggles or safety glasses with side-shields
 light weight protective clothing to protect exposed skin
 Hygiene measures: Handle in accordance with good industrial hygiene and safety practice
 Keep away from food, drink and animal feeding stuffs
 Light weight protective clothing to protect exposed skin
 Environmental exposure controls: No information available

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PHYSICAL AND CHEMICAL PROPERTIES**General information**

Form: liquid
 Colour: colourless
 Odour: pungent

Important health safety and environmental information

pH: 5,2 – 5,4
 Boiling point/range: (212 F) 100°C
 Flash point: (>221 F)>105°C
 Water solubility: Soluble

STABILITY AND REACTIVITY

Stability: Stable under normal conditions
 Conditions to avoid: Extremes of temperature and direct sunlight
 Materials to avoid: Incompatible with strong bases
 Oxidizing agent
 Hazardous decomposition products: None under normal use
 Polymerization: Polymerization does not occur

TOXICOLOGICAL INFORMATION

Acute toxicity component information

Product information

LD50/dermal/bunny: 270 mg/kg (formaldehyde)
 LD50/oral/rat : 100 mg/kg (formaldehyde)

Specific symptoms in animal:

Test for eye irritation (bunny): strong irritation
 Test for skin irritation (bunny): strong irritation

Chronic toxicity: Possible risks of irreversible effects
 Repeated contact may cause allergic reactions in very susceptible persons

Carcinogenic effects: Cancer agent suspect
 Mutagenic effects: No information available
 Reproductive toxicity: No information available
 Target organ effects: No information available

ECOLOGICAL INFORMATION**Component information**

CAS	Chemical Name	ACGIH*
64-19-7	Acetic acid	10ppmTWA
50-00-0	Formaldehyde	1.6
6131-90-4	Acetate, sodium, trihydrate	0.9
67-56-1	Methyl alcohol	0.1
9002-93-1	Polyethylene glycol octylphenol ether	0.1

* ACGIH - Occupational Exposure Limits - TWA's

Eco toxicity effect: No information available

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DISPOSAL CONSIDERATIONS

Waste from residues / unused products: In accordance with local and national regulations
 Contaminated packaging: Empty containers should be rinsed and disposed of as appropriate for glass and plastic containers

TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations

REGULATORY INFORMATION

Contains Formaldehyde
 Indication of danger Xn - Harmful
 R - phrase(s) R40 - Limited evidence of a carcinogenic effect
 R43 - May cause sensitization by skin contact
 S - phrase(s) S23 - Do not breathe vapor
 S36 - Wear suitable protective clothing
 S37 - Wear suitable gloves
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)



International inventories

CAS	Chemical name	% Weight	TSCA*	EINECS	DSL-Canada*	ENCS*
64-19-7	Acetic acid	2.0	Present	200-580-7	Present	2-688
50-00-0	Formaldehyde	1.6	Present	200-001-8	Present	2-482
6131-90-4	Acetate, sodium, trihydrate	0.9	N/A	N/A	N/A	2-692
67-56-1	Methyl alcohol	0.1	Present	200-659-6	Present	2-201
9002-93-1	Polyethylene glycol octylphenol ether	0.1	XU	N/A	Present	N/A

* TSCA - United States - Section 8 (b) Inventory (TSCA)

* EINECS - EINECS

* DSL - Canada - Domestic Substances List (DSL)

* ENCS - Japan Existing and New Chemical Substances (ENCS)

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OTHER INFORMATION

Text of R phrases

R10 - Flammable. R35 - Causes severe burns. R43 - May cause sensitization by skin contact. R40 - Limited evidence of a carcinogenic effect. R34 - Causes burns. R11 - Highly flammable.
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.

Note: Formaldehyde solution contains < 0,1% Methanol

Prepared on: 15.12.2010

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Biosepar GmbH shall be no held liable for any damages resulting from handling or from contact with the above product. This revised MSDS sheet supersedes previous version. In this revision the risk and safety phrases have been re-evaluated (added) and it has been reformatted to be more compliant with Commission Directive 2001/58/EC.