

Material Safety Data Sheet

According to EC Directive – 91/155 EC

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1. PRODUCT IDENTIFICATION

Product Name: IFA Mounting Fluid
Catalog Number: Z1MM10

2. PREPARATION AND THE COMPANY

MANUFACTURED BY:

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TCS Water Sciences is a division of TCS Biosciences Ltd,
Registered in England 2172900

3. COMPOSITION / DATA ON COMPONENTS

Chemical Characterisation of Preparation.

Description: IFA Mounting Fluid

Dangerous Components:

<u>CAS No.</u>	<u>Designation</u>	<u>%</u>	<u>Index</u>	<u>R-Phrases</u>
26628-22-8	Sodium Azide	0.03	T-	28-32

4. HAZARDS IDENTIFICATION

Hazard designation: Xn Harmful

Information pertaining to particular dangers for man and environment: R22 Harmful if swallowed.

Classification system: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

5. FIRST AID MEASURES

General Information:

- Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident.
- After inhalation supply fresh air, consult doctor in case of symptoms.
- After skin contact rinse well with water.
- After eye contact rinse opened eye for several minutes under running water.
- After swallowing instantly call for doctor.

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6. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

- CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water, foam

Protective equipment: No special measures required

7. ACCIDENTAL RELEASE MEASURES

Person related safety precautions: Not required

Measures for environmental protection: Prevent material from reaching sewage system, holes and cellars. Dilute with much water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, Universal binders, sawdust)
Dispose of contaminated material as waste according to item 14.

8. HANDLING AND STORAGE

Handling

Information for safe handling: No special measures required

Information about protection against explosions and fires: No special measures required

Storage

Requirements to be met by storerooms and containers: None

Further information about storage conditions: None

Storage class:

Class according to regulation on inflammable liquids: Void

9. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information about design of technical systems: No further data. See item 8.

Components with critical values that require monitoring at the workplace:

<u>CAS No.</u>	<u>Designation of Material</u>	<u>Type</u>	<u>Value</u>	<u>Unit</u>
Not required				

Additional information:

- The official lists that were valid during the compilation were used as basis.
- Personal protective equipment.

General protective and hygienic measures:

- The usual precautionary measures should be adhered to in handling the chemicals.
- Wash hands during breaks and at the end of the work.
- Keep away from foodstuffs, beverages and food.

Breathing equipment: Not required.

Protection of hands: Not required.

Eye protection: Safety glasses recommended during refilling

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10. PHYSICAL AND CHEMICAL PROPERTIES

- **Form:** Fluid
- **Colour:** Clear
- **Smell:** Odourless

Change in condition	Value/Range	Unit	Method
Melting point/Melting range:	0	°C	
Flash point:	Not applicable		
Danger of explosion:	Not explosive		
Steam pressure (at 20°C)	23	mbar	
Density (at 20°C)	1	g/cm ³	
Solubility in / Miscibility with Water:	Fully miscible		
pH value:	Neutral		

11. STABILITY AND REACTIVITY

Dangerous reactions: With heavy metals and metal salts (danger of explosion)
Reacts with acids

Dangerous products of composition: None

Additional information: Contains sodium azide as preservative

12. TOXICOLOGICAL INFORMATION

Acute toxicity:

- LD/LC50 values that are relevant for classification:

<u>Components</u>	<u>Type</u>	<u>Value</u>	<u>Species</u>
Sodium azide	Oral	0.71mg.kg	human
	Oral	27 mg/kg	rat
	Dermal	20 mg/kg	rab

- **Primary irritant effect on the skin:** No irritant effect
- **Primary irritant effect on the eye:** No irritant effect.
- **Sensitisation:** No sensitising effect known.
- **Additional toxicological information:** The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful

13. ECOLOGICAL INFORMATION

General notes:

- Water hazard class 1 (self assessment): Slightly hazardous for water.
- Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

14. DISPOSAL CONSIDERATIONS

Product recommendation:

- Must not be disposed of together with household garbage.
- Do not allow product to reach sewage system.
- Chemicals or preparations are generally considered to be dangerous wastes.
- Please ask your waste management authorities about the disposal of this product.

Hazardous substances: Sodium azide (0.03%)

Uncleaned packaging recommendations: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

15. TRANSPORT INFORMATION

Transport/Additional information: Not dangerous according to the above specifications.

16. REGULATORY INFORMATION

Designation according to EC guidelines: The product has been classified and labeled in accordance with EC Directives/Ordinance on Hazardous Materials (GefStoffV)

Code letter and hazard designation of product: Xn Harmful

Hazard-determining components of labeling: Sodium azide.

Risk phrases: 22 Harmful if swallowed.

Safety phrases: 46 If swallowed, seek medical advice immediately and show this container or label.

National regulations:

Classification according to VbF: Void

Water hazard class: Water hazard class 1 (Self-assessment); slightly hazardous for water.

17. OTHER INFORMATION

- The above information and recommendations are believed to be correct as of the date of this Material Safety Data Sheet but shall not be taken to be all inclusive and shall be used only as a guide.
- All chemicals and preparations may present unknown hazards and should be used with caution.
- Cellabs shall not be held liable for any damage resulting from handling or from contact with the above product.

Department issuing data specification sheet: Environment protection department