




SAFETY DATA SHEET

Section 1: Product and Company Identification

- 1.1 Product name** **Fructosamine Reagent**
- Substance/mixture** mixture
- CAS #** mixture
- Kit number** C412-0A, C414-02, V412-12
- 1.2 Recommended product use**
- Mixture's intended use** Diagnostic reagent for IN VITRO quantitative measurement of fructosamine in serum and plasma only.
- Product restrictions** None known
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer information**
- Corporate Headquarters** Catachem, Inc.
353 Christian Street Oxford, CT 06478
United States of America
www.catacheminc.com
- Telephone** Phone: +1 (203) 262-0330
- Email** catachem@catacheminc.com
- Distributor information**
- Distributor Headquarters** Nuuchem Diagnostics Ltd.
18 Killuney Rd. Armagh, N. Ireland
United Kingdom
- Telephone** +44 7778 925522
- Email** Trevor.templeton@nuuchem.com
- 1.4 Emergency Telephone**
- Emergency Phone #** +1 (203) 232-1979

Section 2: Hazards Identification

- 2.1 Substance or mixture classification**
- Physical state** Liquid
- Appearance** Translucent pink solution
- Emergency overview** Harmful if swallowed. May cause damage to eyes and skin, do not ingest. Do not allow to enter drains and sewers.
- 2.2 Label Elements**
- Signal word** Warning
- Hazard Pictogram** 
- Hazardous substances** Biosoft N1-7, Potassium carbonate.
- OSHA regulatory status** This product is hazardous according to OSHA 29CFR 1910.1200.
- 2.3 Potential health effects**

- Inhalation** In case of inhalation, move the affected person to fresh air. Call a physician if symptoms develop or persist.
- Ingestion** Do NOT induce vomiting. In case of ingestion, make the affected person either drink some water or rinse out their mouth. If any other symptoms persist, contact a medical professional or a poison control center.
- Notes to physician** Provide general supportive measures and treat symptomatically.
- General advice** If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

- Eye Contact** Causes serious eye damage
- Skin contact** Causes skin irritation
- Inhalation** Causes corrosion of the breathing system
- Ingestion** Causes corrosion of the digestion system

Section 5: Fire Fighting Measures

- 5.1 Flammable properties** This product is not flammable.
- 5.2 Extinguishing media**
 - Suitable extinguishing media**

Extinguish with water spray, carbon dioxide (CO2), dry chemical or material appropriate for the surrounding fire.
 - Unsuitable extinguishing media**

No limitations are given.
- 5.3 Protection of firefighters**
 - Specific hazards arising from the chemical**
 - Carbon oxides
 - Sulfur oxides
 - Nitrogen oxides (NOx)
 - Sodium oxides
 - Protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
 - Firefighting equipment/instructions**

Use standard firefighting procedures and consider the hazards of other involved materials. Avoid contaminating surface water with fire extinguishing water.
 - Hazardous combustion Products**

Hazardous combustion gases or vapors may develop in the event of fire.

Section 6: Accidental Release Measures

- 6.1 Personal precautions** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- 6.2 Environmental precautions** Avoid contamination to enter drains, sewers or watercourses.

6.3 Methods for containment and cleaning up

Absorb spillage with non-combustible, absorbent material such as sand, diatomaceous earth, vermiculite or other inert material. Dispose of waste in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13.

6.4 Other information

Clean up in accordance with all applicable regulations.

Section 7: Handling and Storage

7.1 Safe Handling

Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Handle and open container with care.

Hygiene measures

Wash exposed skin thoroughly after handling.

7.2 Storage

Store at 2-8°C (35-46°F). Store in a closed container away from incompatible materials.

Section 8: Exposure Controls / Personal Protection

8.1 Occupational exposure limits

No exposure limits noted for ingredient(s).

Exposure guidelines

Follow standard monitoring procedures.

Engineering controls

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Provide easy access to water supply and eye wash facilities.

8.2 Personal protective equipment

Eye / face protection

Wear appropriate safety glasses, goggles or face shields.

Skin protection

Wear lab coat or other protective garments. Wear protective gloves. Remove any contaminated clothing promptly.

Respiratory protection

Under normal conditions, respirator is not required.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Other information

Do NOT eat, drink or smoke during use.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Liquid

Physical state

Liquid

Form

Liquid

Color

Translucent pink

Odor

Odorless

Odor threshold

No data available

pH

10-11 @ (25°C)

Vapor pressure

No data available

Vapor density

No data available

Boiling point

No data available

Viscosity (mm²/s)

No data available

Melting/Freezing point

No data available

Solubility (water)

Soluble

Specific gravity

1-1.1

Flash point	No data available
Flammability limits in air, upper, % by volume	No data available
Flammability limits in air, lower, % by volume	No data available
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Evaporation rate	No data available

Section 10: Stability and Reactivity Information

10.1 Reactivity	No data available
10.2 Chemical stability	Material is stable under normal conditions.
10.3 Possibility of hazardous Reactions	Hazardous polymerization does not occur.
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition Products	In the event of fire, refer to Section 5.3

Section 11: Toxicological Information

11.1 Information on toxicological effects	
Sensitization	Not classified.
Acute effects	May cause discomfort if swallowed.
Local effects	Ingestion may cause irritation and nausea.
Chronic effects	No data available.
Carcinogenicity	Not classified to carcinogenicity to humans.
Epidemiology	No epidemiological data is available for this product.
Mutagenicity	Not classified.
Reproductive effects	Not classified.
Symptoms and target organs	Direct contact with skin and eyes may cause irritation.
Additional information	No other specific acute or chronic health impact noted.

Section 12: Ecological Information

12.1 Toxicity	
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
12.2 Persistence and degradability	No data is available on the degradability of this product.
12.3 Bioaccumulation/Accumulation	

No data available.

12.4 Mobility in environmental media

The product is completely soluble in water.

Section 13: Disposal Considerations

13.1 Disposal methods

Disposal instructions Contaminated instruments and surfaces should be disinfected in accordance with your employer's chemical-specific and universal/standard precautions.

Waste from residues / unused products

Dispose in accordance with all applicable local and national regulations. Avoid releasing unused products into drainage systems and/or into the environment.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport Information

DOT Not regulated as a hazardous material by DOT.
IATA Not regulated as dangerous goods.
IMDG Not regulated as dangerous goods.
TDG Not regulated as dangerous goods.

Section 15: Regulatory Information

US federal regulations This product is hazardous according to OSHA 29CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart. D)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity (lb.) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A) Section 311/312 (40 CFR370) No

Drug Enforcement

Administration (DEA) (21 CFR 1308.11-15)

Not controlled

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Disclaimer The above information is believed to be correct, but does not purport to be all inclusive and should be used only as a guide. Catachem Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.