



Material Safety Data Sheet

According to 91/ 155 EC

2-Cat Enzyme Immunoassay

Catalogue Nr : KAPL10-1500
Revision Nr : 031008



Material Safety Data Sheet
According to 91/ 155 EC

Revision nr : 031103

Wash Buffer Concentrate
2-Cat Enzyme Immunoassay

1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Wash Buffer Concentrate

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**
Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Dangerous components:	CAS-No.	R-phrases	S-phrases
Void			

3. Hazard identification

Most important hazards:
Specific hazards:
Main symptoms:
Classification:

4. First aid measures

General information:	No special measures required
After inhalation:	Supply fresh air; consult doctor in case of complaints
After skin contact:	Generally the product does not irritate the skin
After eye contact:	Rinse opened eye for several minutes under running water and consult doctor
After swallowing:	If symptoms persist consult doctor

5. Fire fighting measures

Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

6. Accidental release measures

Person-related safety precautions:	Not required
Measures for environmental protection:	Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/ collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Additional information:	No dangerous substances are released.

Wash Buffer Concentrate
2-Cat Enzyme Immunoassay

7. Handling and storage

Handling

Information for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: None

Class according to regulation on flammable liquids: Void

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Hand protection: Protective gloves.

Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

- | | |
|------------------------------|-----------------------------|
| - form: | liquid |
| - colour: | colourless |
| - odour: | odourless |
| - pH-value: | 7,4 (at 25 °C) |
| - decomposition temperature: | undetermined |
| - flashpoint: | not applicable |
| - autoignition temperature: | product is not selfigniting |
| - explosion properties: | not applicable |
| - vapour pressure: | undetermined |
| - vapour density: | undetermined |
| - density: | undetermined |
| - solubility: | water: 100% |

10. Stability and reactivity

Conditions to avoid: No decomposition if used according to specifications

Materials to avoid: No dangerous reaction known

Hazardous decomposition products: No dangerous decomposition products known

11. Toxicological information

Acute toxicity:

Local effects: no effects known

Specific effects: no specific effects known

Sensitization: no sensitizing effects known

Chronic toxicity: no chronic toxicity known

Long term toxicity: no long term toxicity known



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Wash Buffer Concentrate
2-Cat Enzyme Immunoassay

12. Ecological information

Mobility:
Persistence/ degradability:
Bioaccumulation: no bioaccumulation known
Ecotoxicity: no ecotoxicity known

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations
Contaminated packaging: Disposal must be made according to official regulations

14. Transport information

international regulations:
- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

15. Regulatory information

Regulations to the chemical product:
Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).
Safety phrases: This material and its container must be disposed of as hazardous waste.
Water hazard class: Water hazard class 1 (self-assessment): slightly hazardous for water

16. Other information

This information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability for its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.



Material Safety Data Sheet
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Revision nr : 031103

Enzyme Conjugate
2-Cat Enzyme Immunoassay

1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Enzyme Conjugate

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**
Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Dangerous components:	CAS-No.	R-phrases	S-phrases
Void			

3. Hazard identification

Most important hazards: not applicable
Specific hazards: not applicable
Main symptoms: not applicable
Classification:

4. First aid measures

General information:	No special measures required
After inhalation:	Supply fresh air; consult doctor in case of complaints
After skin contact:	Generally the product does not irritate the skin
After eye contact:	Rinse opened eye for several minutes under running water and consult doctor
After swallowing:	If symptoms persist consult doctor

5. Fire fighting measures

Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

6. Accidental release measures

Person-related safety precautions:	Not required
Measures for environmental protection:	no special measures required
Measures for cleaning/ collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Additional information:	Rabbit and goat serum potential biohazard.

Enzyme Conjugate
2-Cat Enzyme Immunoassay

7. Handling and storage

Handling

Information for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: None

Class according to regulation on flammable liquids: Void

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Hand protection: Protective gloves.

Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

- form: liquid
- colour: colourless
- odour: odourless
- pH-value:
- decomposition temperature: undetermined
- flashpoint: not applicable
- autoignition temperature: product is not selfigniting
- explosion properties: not applicable
- vapour pressure: undetermined
- vapour density: undetermined
- density: undetermined
- solubility: water: 100%

10. Stability and reactivity

Conditions to avoid: No decomposition if used according to specifications

Materials to avoid: No dangerous reaction known

Hazardous decomposition products: No dangerous decomposition products known

11. Toxicological information

Acute toxicity:

Local effects: no effects known

Specific effects: no specific effects known

Sensitization: no sensitizing effects known

Chronic toxicity: no chronic toxicity known

Long term toxicity: no long term toxicity known



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Enzyme Conjugate
2-Cat Enzyme Immunoassay

12. Ecological information

Mobility:
Persistence/ degradability:
Bioaccumulation: no bioaccumulation known
Ecotoxicity: no ecotoxicity known
General notes: generally not hazardous for water

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations
Contaminated packaging: Disposal must be made according to official regulations

14. Transport information

international regulations:
- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

15. Regulatory information

Regulations to the chemical product:
Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).
Safety phrases: This material and its container must be disposed of as hazardous waste.
Water hazard class: generally not hazardous for water

16. Other information

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Stop Solution
2-Cat Enzyme Immunoassay

1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Stop Solution

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**
Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Description: Mixture of substances listed below with nonhazardous additions

Dangerous components:	CAS-No.	R-phrases	S-phrases
Sulphuric acid 95-97%	7664-93-9	34	36/37/39

3. Hazard identification



C Corrosive

Most important hazards:

Specific hazards:

Main symptoms:

Classification:

4. First aid measures

General information:	No special measures required
After inhalation:	Supply fresh air; consult doctor in case of complaints
After skin contact:	Immediately wash with water and soap and rinse thoroughly
After eye contact:	Rinse opened eye for several minutes under running water and consult doctor
After swallowing:	Drink plenty of water, avoid vomit (Danger of perforation!). Call for a doctor immediately.

5. Fire fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

Stop Solution
2-Cat Enzyme Immunoassay

6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/ collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.

7. Handling and storage

Handling

Information for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep receptacle tightly sealed

Class according to regulation on flammable liquids: Void

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Hand protection: Protective gloves.

Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

- form: liquid
- colour: colourless
- odour: odourless
- pH-value:
- decomposition temperature: undetermined
- flashpoint: not applicable
- autoignition temperature: product is not selfigniting
- explosion properties: not applicable
- vapour pressure: undetermined
- vapour density: undetermined
- density: undetermined
- solubility: water: 100%

10. Stability and reactivity

Conditions to avoid: No decomposition if used according to specifications

Materials to avoid: No dangerous reactions known

Hazardous decomposition products: No dangerous decomposition products known

Stop Solution
2-Cat Enzyme Immunoassay

11. Toxicological information

After inhalation of aerosols: Damage of the concerned mucous membranes.
After skin contact: Strong caustic effect.
After eye contact: Strong caustic effect.
After swallowing: Strong pain (danger of perforation!), nausea, vomiting and failure.
After a latency of some weeks sometimes narrowing of the pylorus (Pylorusstenose)

Additional information: The product is to be handled with caution like other chemicals.

12. Ecological information

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Bioaccumulation: no bioaccumulation known

Ecotoxicity: no ecotoxicity known

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations

Under www.retrologistik.de you find references and partners.

14. Transport information

international regulations:

- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

Apply the international and national transportation regulations.

15. Regulatory information

Regulations to the chemical product:

Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).

Safety phrases: This material and its container must be disposed of as hazardous waste.

Water hazard class: Water hazard class 1 (self-assessment): slightly hazardous for water

R-phrases: 34 Causes caustic

S-phrases: 36/37/39 If contact with the eyes rinse immediately with plenty of water and consult a doctor.
Carry suitable protective clothing, protective gloves and eye protector at the work

16. Other information

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1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Standards A-F
Controls 1+2

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**
Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Description: Mixture of substances listed below with nonhazardous additions

Dangerous components:	CAS-No.	R-phrases	S-phrases
Hydrochloric acid (<0.1 N)		36/38	26

3. Hazard identification



Xi Irritant

Most important hazards:

Specific hazards:

Main symptoms:

Classification:

4. First aid measures

General information:	No special measures required
After inhalation:	Supply fresh air; consult doctor in case of complaints
After skin contact:	Immediately wash with water and soap and rinse thoroughly
After eye contact:	Rinse opened eye for several minutes under running water and consult doctor
After swallowing:	Drink plenty of water. Call for a doctor immediately.

5. Fire fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required



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Standards A-F

Controls 1+2

2-Cat Enzyme Immunoassay

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6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/ collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.

7. Handling and storage

Handling

Information for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep receptacle tightly sealed

Class according to regulation on flammable liquids: Void

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Hand protection: Protective gloves.

Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

- form: liquid
- colour: colourless
- odour: odourless
- pH-value:
- decomposition temperature: undetermined
- flashpoint: not applicable
- autoignition temperature: product is not selfigniting
- explosion properties: not applicable
- vapour pressure: undetermined
- vapour density: undetermined
- density: undetermined
- solubility: water: 100%

10. Stability and reactivity

Conditions to avoid: No decomposition if used according to specifications

Materials to avoid: No dangerous reactions known

Hazardous decomposition products: No dangerous decomposition products known



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Standards A-F

Controls 1+2

2-Cat Enzyme Immunoassay

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11. Toxicological information

After inhalation of aerosols:
After skin contact:
After eye contact:
After swallowing:

Additional information: The product is to be handled with caution like other chemicals.

Hydrochloric acid (1 N): Irritant. Irritating to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

12. Ecological information

General notes:	Generally not hazardous for water
Bioaccumulation:	no bioaccumulation known
Ecotoxicity:	no ecotoxicity known

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations

Contaminated packaging: Disposal must be made according to official regulations

Under www.retrologistik.de you find references and partners.

14. Transport information

international regulations:

- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

Apply the international and national transportation regulations.

15. Regulatory information

Regulations to the chemical product:

Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).

Safety phrases: This material and its container must be disposed of as hazardous waste.

Water hazard class: Generally not hazardous for water.

R-phrases: 36/38 Irritate the eyes and the skin.

S-phrases: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. Other information

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Material Safety Data Sheet
According to 91/ 155 EC

Revision nr :031103

Acylation Buffer
2-Cat Enzyme Immunoassay

1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Acylation Buffer

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**

Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Description: Mixture of substances listed below with nonhazardous additions

Dangerous components: CAS-No. R-phrases S-phrases

3. Hazard identification

Most important hazards:

Specific hazards:

Main symptoms:

Classification:

4. First aid measures

General information: No special measures required
After inhalation: Supply fresh air; consult doctor in case of complaints
After skin contact: Immediately wash with water and soap and rinse thoroughly
After eye contact: Rinse opened eye for several minutes under running water and consult doctor
After swallowing: Drink plenty of water. Call for a doctor

5. Fire fighting measures

Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/ collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).



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Acylation Buffer

2-Cat Enzyme Immunoassay

7. Handling and storage

Handling

Information for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep receptacle tightly sealed

Class according to regulation on flammable liquids: Void

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Hand protection: Protective gloves.

Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

- form: liquid
- colour: colourless
- odour: odourless
- pH-value:
- decomposition temperature: undetermined
- flashpoint: not applicable
- autoignition temperature: product is not selfigniting
- explosion properties: not applicable
- vapour pressure: undetermined
- vapour density: undetermined
- density: undetermined
- solubility: water: 100%

10. Stability and reactivity

Conditions to avoid: No decomposition if used according to specifications

Materials to avoid: No dangerous reactions known

Hazardous decomposition products: No dangerous decomposition products known

11. Toxicological information

After inhalation of aerosols:

After skin contact:

After eye contact:

After swallowing:

Additional information: The product is to be handled with caution like other chemicals.



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Acylation Buffer
2-Cat Enzyme Immunoassay

12. Ecological information

General notes: Generally not hazardous for water
Mobility:
Persistence/ degradability:
Bioaccumulation: no bioaccumulation known
Ecotoxicity: no ecotoxicity known

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations
Contaminated packaging: Disposal must be made according to official regulations
Under www.retrologistik.de you find references and partners.

14. Transport information

international regulations:
- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

Apply the international and national transportation regulations.

15. Regulatory information

Regulations to the chemical product:

Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).

Safety phrases: This material and its container must be disposed of as hazardous waste.

Water hazard class: Generally not hazardous for water.

16. Other information

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Assay Buffer
2-Cat Enzyme Immunoassay

1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Assay Buffer

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**
Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Description: Mixture of substances listed below with nonhazardous additions

Dangerous components:	CAS-No.	R-phrases	S-phrases
Hydrochloric acid (1 M)		36/38	26

3. Hazard identification



C Corrosive

Most important hazards:

Specific hazards:

Main symptoms:

Classification:

4. First aid measures

General information:	No special measures required
After inhalation:	Supply fresh air; consult doctor in case of complaints
After skin contact:	Immediately wash with water and soap and rinse thoroughly
After eye contact:	Rinse opened eye for several minutes under running water and consult doctor
After swallowing:	Drink plenty of water. Call for a doctor

5. Fire fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

Assay Buffer
2-Cat Enzyme Immunoassay

6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/ collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. Handling and storage

Handling

Information for safe handling: No special measures required.
Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements
Information about storage in one common storage facility: Not required
Further information about storage conditions: Keep receptacle tightly sealed
Class according to regulation on flammable liquids: Void

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Respiratory protection: Not required.
Hand protection: Protective gloves.
Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

- form:	liquid
- colour:	colourless
- odour:	odourless
- pH-value:	
- decomposition temperature:	undetermined
- flashpoint:	not applicable
- autoignition temperature:	product is not selfigniting
- explosion properties:	not applicable
- vapour pressure:	undetermined
- vapour density:	undetermined
- density:	undetermined
- solubility:	water: 100%

10. Stability and reactivity

Conditions to avoid: No decomposition if used according to specifications
Materials to avoid: No dangerous reactions known
Hazardous decomposition products: No dangerous decomposition products known



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Assay Buffer
2-Cat Enzyme Immunoassay

11. Toxicological information

After inhalation of aerosols:
After skin contact:
After eye contact:
After swallowing:

Additional information: The product is to be handled with caution like other chemicals.

12. Ecological information

General notes: Generally not hazardous for water
Mobility:
Persistence/ degradability:
Bioaccumulation: no bioaccumulation known
Ecotoxicity: no ecotoxicity known

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations
Contaminated packaging: Disposal must be made according to official regulations
Under www.retrologistik.de you find references and partners.

14. Transport information

international regulations:
- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

Apply the international and national transportation regulations.

15. Regulatory information

Regulations to the chemical product:

Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).

Safety phrases: This material and its container must be disposed of as hazardous waste.

Water hazard class: Generally not hazardous for water.

16. Other information

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Extraction Buffer
2-Cat Enzyme Immunoassay

1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Extraction Buffer

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**
Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Description: Mixture of substances listed below with nonhazardous additions

Dangerous components: CAS-No. R-phrases S-phrases

3. Hazard identification

Most important hazards:

Specific hazards:

Main symptoms:

Classification:

4. First aid measures

General information: No special measures required
After inhalation: Supply fresh air; consult doctor in case of complaints
After skin contact: Immediately wash with water and soap and rinse thoroughly
After eye contact: Rinse opened eye for several minutes under running water and consult doctor
After swallowing: Drink plenty of water. Call for a doctor

5. Fire fighting measures

Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/ collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Extraction Buffer
2-Cat Enzyme Immunoassay

7. **Handling and storage**

Handling

Information for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep receptacle tightly sealed

Class according to regulation on flammable liquids: Void

8. **Exposure controls and personal protection**

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Hand protection: Protective gloves.

Eye protection: Goggles recommended during refilling.

9. **Physical and chemical properties**

- | | |
|------------------------------|-----------------------------|
| - form: | liquid |
| - colour: | colourless |
| - odour: | odourless |
| - pH-value: | |
| - decomposition temperature: | undetermined |
| - flashpoint: | not applicable |
| - autoignition temperature: | product is not selfigniting |
| - explosion properties: | not applicable |
| - vapour pressure: | undetermined |
| - vapour density: | undetermined |
| - density: | undetermined |
| - solubility: | water: 100% |

10. **Stability and reactivity**

Conditions to avoid: No decomposition if used according to specifications

Materials to avoid: No dangerous reactions known

Hazardous decomposition products: No dangerous decomposition products known

11. **Toxicological information**

After inhalation of aerosols:

After skin contact:

After eye contact:

After swallowing:

Additional information: The product is to be handled with caution like other chemicals.

Extraction Buffer
2-Cat Enzyme Immunoassay

12. Ecological information

General notes: Generally not hazardous for water
Mobility:
Persistence/ degradability:
Bioaccumulation: no bioaccumulation known
Ecotoxicity: no ecotoxicity known

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations
Contaminated packaging: Disposal must be made according to official regulations
Under www.retrologistik.de you find references and partners.

14. Transport information

international regulations:
- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

Apply the international and national transportation regulations.

15. Regulatory information

Regulations to the chemical product:

Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).

Safety phrases: This material and its container must be disposed of as hazardous waste.

Water hazard class: Generally not hazardous for water.

16. Other information

This information provided in this Material Safety Data Sheet (MSDS) is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability for its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

Hydrochloric Acid
2-Cat Enzyme Immunoassay

1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Hydrochloric Acid

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**
Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Description: Mixture of substances listed below with nonhazardous additions

Dangerous components:	CAS-No.	R-phrases	S-phrases
Hydrochloric acid (0.025 M)		36/38	26

3. Hazard identification



Xi Irritant

Most important hazards:

Specific hazards:

Main symptoms:

Classification:

4. First aid measures

General information:	No special measures required
After inhalation:	Supply fresh air; consult doctor in case of complaints
After skin contact:	Immediately wash with water and soap and rinse thoroughly
After eye contact:	Rinse opened eye for several minutes under running water and consult doctor
After swallowing:	Drink plenty of water. Call for a doctor

5. Fire fighting measures

Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

6. Accidental release measures

Person-related safety precautions:	Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection:	Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/ collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).



Material Safety Data Sheet
According to 91/ 155 EC

Revision nr : 031103

Hydrochloric Acid
2-Cat Enzyme Immunoassay

7. Handling and storage

Handling

Information for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep receptacle tightly sealed

Class according to regulation on flammable liquids: Void

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Hand protection: Protective gloves.

Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

- form: liquid
- colour: colourless
- odour: odourless
- pH-value:
- decomposition temperature: undetermined
- flashpoint: not applicable
- autoignition temperature: product is not selfigniting
- explosion properties: not applicable
- vapour pressure: undetermined
- vapour density: undetermined
- density: undetermined
- solubility: water: 100%

10. Stability and reactivity

Conditions to avoid: No decomposition if used according to specifications

Materials to avoid: No dangerous reactions known

Hazardous decomposition products: No dangerous decomposition products known

11. Toxicological information

After inhalation of aerosols:

After skin contact:

After eye contact:

After swallowing:

Additional information: The product is to be handled with caution like other chemicals.



Material Safety Data Sheet
According to 91/ 155 EC

Revision nr : 031103

Hydrochloric Acid
2-Cat Enzyme Immunoassay

12. Ecological information

General notes: Generally not hazardous for water
Mobility:
Persistence/ degradability:
Bioaccumulation: no bioaccumulation known
Ecotoxicity: no ecotoxicity known

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations
Contaminated packaging: Disposal must be made according to official regulations
Under www.retrologistik.de you find references and partners.

14. Transport information

international regulations:
- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

Apply the international and national transportation regulations.

15. Regulatory information

Regulations to the chemical product:

Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).

Safety phrases: This material and its container must be disposed of as hazardous waste.

Water hazard class: Generally not hazardous for water.

Risk phrases: 36/38 Irritate eyes and skin

S phrases: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. Other information

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Material Safety Data Sheet
According to 91/ 155 EC

Revision nr 031103

Coenzyme
2-Cat Enzyme Immunoassay

1. Identification of substance

Product details:

Trade name: 2-Cat Enzyme Immunoassay

Coenzyme

Manufacturer/ Supplier: **DIAsource ImmunoAssays S.A.**

Rue de l'Industrie, 8
1400 Nivelles, Belgique
Tel. +32 67 88 99 99
Fax. +32 67 88 99 90

2. Composition/ Information on ingredients

Chemical characterization: Preparation.

Description: Mixture of substances listed below with nonhazardous additions

Dangerous components: CAS-No. R-phrases S-phrases

3. Hazard identification

Most important hazards:

Specific hazards:

Main symptoms:

Classification:

4. First aid measures

General information: No special measures required
After inhalation: Supply fresh air; consult doctor in case of complaints
After skin contact: Immediately wash with water and soap and rinse thoroughly
After eye contact: Rinse opened eye for several minutes under running water and consult doctor
After swallowing: Drink plenty of water. Call for a doctor

5. Fire fighting measures

Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required

6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/ collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Coenzyme

2-Cat Enzyme Immunoassay

7. Handling and storage**Handling**

Information for safe handling: No special measures required.

Information about fire and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep receptacle tightly sealed

Class according to regulation on flammable liquids: Void

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Hand protection: Protective gloves.

Eye protection: Goggles recommended during refilling.

9. Physical and chemical properties

- form: liquid
- colour: colourless
- odour: odourless
- pH-value:
- decomposition temperature: undetermined
- flashpoint: not applicable
- autoignition temperature: product is not selfigniting
- explosion properties: not applicable
- vapour pressure: undetermined
- vapour density: undetermined
- density: undetermined
- solubility: water: 100%

10. Stability and reactivity

Conditions to avoid: No decomposition if used according to specifications

Materials to avoid: No dangerous reactions known

Hazardous decomposition products: No dangerous decomposition products known

11. Toxicological information

After inhalation of aerosols:

After skin contact:

After eye contact:

After swallowing:

Additional information: The product is to be handled with caution like other chemicals.



Coenzyme
2-Cat Enzyme Immunoassay

12. Ecological information

General notes: Generally not hazardous for water
Mobility:
Persistence/ degradability:
Bioaccumulation: no bioaccumulation known
Ecotoxicity: no ecotoxicity known

13. Disposal considerations

Waste from residues: Disposal must be made according to official regulations
Contaminated packaging: Disposal must be made according to official regulations
Under www.retrologistik.de you find references and partners.

14. Transport information

international regulations:
- land (RID/ ADR/ DoT49 CFR):
- inland waterways (ADNR):
- sea (IMDG):
- air (ICAO-TI, IATA-DGR):
- UN classification number:
- Additional regulations:

Apply the international and national transportation regulations.

15. Regulatory information

Regulations to the chemical product:

Labelling: Observe the general safety regulations when handling chemicals. The Product is not subject to identification regulations under EU directives and the ordinance on hazardous materials (German GefStoffV).

Safety phrases: This material and its container must be disposed of as hazardous waste.

Water hazard class: Generally not hazardous for water.

16. Other information

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