

SAFETY DATA SHEET

Document ID: ODC0012-75 Version 06
Revision Date (year/month/day) 2020/05/21
Last Revision Date (year/month/day) 2019/04/11

Section 1 Identification of the Substance/mixture and of the Company/undertaking

1.1 Product Identifier

Product Name LDL-Cholesterol Calibrator

Part Number ODC0012

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use For In Vitro Diagnostic Use. See product literature for details.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Beckman Coulter Ireland Inc.
Lismeehan
O'Callaghan's Mills
Co. Clare
Ireland
Tel: 353 (0)65 6831100

e-mail address

SDSNT@beckman.com

Further information Contact:

Customer support Unit, Beckman Coulter Ireland Inc.

Technical Service Department Tel. +001-800-854-3633 (PST)

E-mail: Techsupportuk@beckman.com

1.4 Emergency telephone number

Telephone number (24H) Chemtrec Emergency Tel No. U.S.A. 800-424-9300, International (001) 703-527-3887

Tel +353 (0)65 683 1170; 08:00 - 16:30 hrs Mon-Thur, 08:00 - 15:30 hrs Fri (GMT) Tel +001-800-223-0130 (PST)

Distributor and Emergency Phone No.

Refer to attached list, Document ID: [472050](#), for local distributor and emergency phone numbers.

Section 2 Hazards Identification

2.1 Classification of substance or mixture

Product Description In vitro diagnostic reagent.
Yellow-brown; Opaque; Lyophilized Powder; Light

Classification according to EC 1272/2008 (CLP/GHS)

Skin Sensitization Category 1
Aquatic Hazard Long term, Category 2

Classification according to US-OSHA (HCS 29 CFR 1910.1200) and UN GHS

Aquatic Hazard Acute, Category 2
Aquatic Hazard Long term, Category 2

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Section 2 Hazards Identification (Continued)

2.2 Label Elements

According to EC 1272/2008 (CLP/GHS), US-OSHA and UN GHS Hazardous Ingredients

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC# 220-239-6](3:1)

Pictogram



Signal Word

WARNING

Hazard Statements

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 Avoid breathing vapours.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing and eye/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before use.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/national regulations

Product label will display most significant precautionary statements.

2.3 Other hazards

This product contains material of human origin and should be considered as potentially capable of transmitting infectious diseases.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

See Section 11 Toxicological Information for more detailed health information.

Section 3 Composition and Information on Ingredients

3.2 Mixtures

| Hazardous Ingredients: | | Hazard Classification of Pure Ingredients | | |
|------------------------|----------|---|-----|------|
| Chemical Name | % by wt. | EU 1272/2008 CLP/GHS | GHS | Note |
| | | | | |

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Section 3 Composition and Information on Ingredients (Continued)

| | | | | |
|--|------------------|--|--|----------|
| <p>reaction mass of: 5-chloro-2-methyl-4-isothiazolin -3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC# 220-239-6](3:1)</p> <p>CAS # 55965-84-9 EINECS # Not available Index # Not available</p> | <p>< 0.05</p> | <p>Acute Tox. Dermal 2, H310 Acute Tox. Inhal. 2, H330 Acute Tox. Oral 3, H301 Aquatic Acute 1, H400 Aquatic Longterm 1, H410 Eye Dam. 1, H318 M-factor Acute=100 M-factor Chronic=100 Skin Corr. 1C, H314 Skin Sens. 1A, H317</p> | <p>Acute Tox. Dermal 2, H310 Acute Tox. Inhal. 2, H330 Acute Tox. Oral 3, H301 Aquatic Acute 1, H400 Aquatic Longterm 1, H410 Eye Dam. 1, H318 Skin Corr. 1C, H314 Skin Sens. 1A, H317</p> | <p>9</p> |
|--|------------------|--|--|----------|

9 - Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC# 220-239-6] (3:1) is the active ingredient of ProClin 300.

See section 8 for available Occupational exposure limits
See Section 15 for additional regulatory information
See Section 16 for description of hazard class and hazard statements

Section 4 First Aid Measures

4.1 Description of first aid measures

Inhalation

If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration by trained personnel and obtain medical attention immediately.

Eye Contact

If product enters eyes, rinse eyes gently with water as a precaution.

Skin Contact

In case of skin contact, rinse with water as a precaution.

Ingestion

If product is ingested, rinse mouth with water. If irritation or discomfort occurs, obtain medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.
See Section 11 Toxicological Information for more detailed health information.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available. Refer to Section 4.1.

Section 5 Fire Fighting Measures

5.1 Extinguishing Media

In case of fire use carbon dioxide (CO₂), dry chemical, water spray or foam.
For large fires use extinguishing media suitable for surrounding fire.

5.2 Special hazards arising from the substance or mixture Special Fire and Explosion Hazards

No special hazards determined.

Hazardous Combustion Products

No combustion products posing significant hazards are expected from this product.

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Section 5 Fire Fighting Measures (Continued)

- 5.3 Advice for fire fighters**
- Protective Equipment** Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.
- 5.4 Additional information** No further relevant information available.

Section 6 Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
- Personal Precautions** This product contains material of human origin and should be handled as though capable of transmitting infectious diseases. Observe general safety guidelines for protection during clean up procedures.
Wear protective gloves, protective clothing and eye/face protection.
- 6.2 Environmental Precautions** Contain spill to prevent migration.
Do not allow the undiluted product to enter sewers/surface or ground water.
Dispose of contents/container in accordance with local regulations
- 6.3 Methods and material for containment and cleaning up**
- Spill and Leak Procedures** If the product is solid or lyophilized form, use vacuum or carefully sweep up spilled material and place in container for suitable disposal. Avoid generating dust.
If the product is liquid form, as a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.
Dispose of all waste material in accordance with local guidelines.
- 6.4 Reference to other sections** Refer sections 8 and 13.

Section 7 Handling and Storage

- 7.1 Precautions for safe handling** This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store at 2 to 8°C, as directed on the product label.
To maintain product quality, store according to the instructions in the product labeling.
Store away from strong acids, strong bases, strong oxidizers and incompatible materials (section 10).
- 7.3 Specific end uses** No further relevant information available.

Section 8 Exposure Controls and Personal Protection

- 8.1 Control parameters**
- Exposure Limits**
- US OSHA** None established
- ACGIH** None established

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Section 8 Exposure Controls and Personal Protection (Continued)

| | |
|---|------------------|
| DFG MAK | None established |
| Ireland | None established |
| IOELVs | None established |
| NIOSH | None established |
| Japan | None established |
| Sweden (AFS 2015:7 and amendments) | None established |

8.2 Exposure controls

| | |
|-------------------------------|---|
| Engineering Controls | No special engineering controls are required. Use with good general ventilation. |
| Eye Protection | Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards. |
| Skin Protection | Wear impervious gloves such as Nitrile or equivalent and protective clothing. Refer to U.S. OSHA 29 CFR 1910.138, European Standard EN 374, EN 14605:2005+A1:2009 or appropriate government standards. |
| Respiratory Protection | Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional. |

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | | | |
|----------------------------------|--------------------|---|----------------|
| Physical State | Lyophilized Powder | Specific Gravity (Water=1.0) | Not determined |
| Color | Yellow-brown | Solubility | |
| Transparency | Opaque | Water | Miscible |
| Odor | Light | Organic | Not determined |
| pH | Not applicable | Partition coefficient: n-octanol/water | Not applicable |
| Melting Point | Not determined | Auto-ignition Temp. | Not determined |
| Boiling Point | Not applicable | Decomposition Temperature | Not determined |
| Flash Point | Not applicable | Percent Volatiles | Not applicable |
| Evaporation Rate | Not applicable | Vapor Pressure | Not applicable |
| Flammability (Solid, Gas) | Not determined | Viscosity | Not applicable |
| Flammability Limits | Not determined | Explosive Properties | Not applicable |

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Section 9 Physical and Chemical Properties (Continued)

| | | | |
|------------------------------|--|-----------------------------|----------------|
| Vapor Density | Not applicable | Oxidizing Properties | Not applicable |
| Odor Threshold | Not applicable | | |
| 9.2 Other Information | No further relevant information available. | | |

Section 10 Stability and Reactivity

| | |
|--|---|
| 10.1 Reactivity | No further relevant information available. |
| 10.2 Chemical Stability | The product is stable in accordance with recommended storage conditions. |
| 10.3 Possibility of hazardous reactions | No further relevant information available. |
| 10.4 Conditions to Avoid | To maintain product performance keep away from strong acids, strong bases, strong oxidizers. Avoid exposure to heat and direct sunlight. |
| 10.5 Incompatible materials | No further relevant information available. |
| 10.6 Hazardous Decomposition Products | When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product. |

Section 11 Toxicological Information

| | |
|---|--|
| 11.1 Information on toxicological effects | |
| Toxicity Data for Hazardous Ingredients | |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC# 220-239-6](3:1) CAS # 55965-84-9 | Oral LD50 Rat 53 mg/kg |
| Primary Routes of Exposure | Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material. |
| Acute Toxicity | Not classified based on available data. |
| Skin Corrosion/Irritation | Not classified based on available data. |
| Serious eye damage/eye irritation | Not classified based on available data. |
| Respiratory/skin sensitization | May cause an allergic skin reaction. |
| Carcinogenicity | No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation. |

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Section 11 Toxicological Information (Continued)

| | |
|---|---|
| Germ cell mutagenicity | Not classified based on available data. |
| Reproductive Toxicity | Not classified based on available data. |
| Specific target organ toxicity – single exposure | Not classified based on available data. |
| Specific target organ toxicity – repeated exposure | Not classified based on available data. |
| Aspiration hazard | Not classified based on available data. |
| Other Information | This product contains material of human origin and should be considered as potentially capable of transmitting infectious diseases. |

Section 12 Ecological Information

| | |
|--|--|
| 12.1 Ecotoxicity | |
| Fresh Water Species | No information available. |
| Microtox | No information available. |
| Water Flea | No information available. |
| Fresh Water Algae | No information available. |
| 12.2 Persistence and degradability | Not determined for the product. |
| 12.3 Bioaccumulation | Not determined for the product. |
| 12.4 Mobility in soil | Not determined for the product. |
| 12.5 Results of PBT and vPvB assessment | Not determined for the product. PBT: Not applicable, vPvB: Not applicable. |
| 12.6 Other Adverse Effects | This product is classified as environmentally hazardous. Do not allow undiluted product to enter sewer/surface or ground water. Dispose of contents/container to in accordance with local/national regulations |

Section 13 Disposal Considerations

| | |
|-------------------------------------|---|
| 13.1 Waste treatment methods | |
| Product Waste Disposal | Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information. Dispose of as potentially biohazardous waste and in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or and approved waste-disposal company for information. |

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Package disposal

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

13.2 Additional information

Suggested European waste catalogue 18 01 03* - wastes whose collection and disposal is subject to special requirements in order to prevent infection. Dispose in accordance with national, state and local waste regulations

Section 14 Transport Information

Transportation of this product is not regulated under ICAO, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

14.1 UN/ID Number: Not regulated for transportation

14.2 Shipping Name: Not regulated for transportation

14.3 Hazard Class: Not regulated for transportation

14.4 Packing Group: Not regulated for transportation

14.5 Environmental Hazards: Not regulated for transportation

14.6 Special Precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

US Federal and State Regulations

SARA 313 (Section 313, Title III reporting requirements)

No ingredients listed.

CERCLA (The Comprehensive Environmental Response, Compensation, and Liability Act) 40 CFR 302.4

No ingredients listed.

California Proposition 65

Chemical which is known to the State of California to cause cancer

No ingredients listed.

Chemical which is known to the State of California to cause development toxicity

No ingredients listed.

Chemical which is known to the State of California to cause male reproductive toxicity

No ingredients listed.

Chemical which is known to the State of California to cause female reproductive toxicity

No ingredients listed.

Section 15 Regulatory Information (Continued)

Massachusetts Right To Know (RTK) List

No ingredients listed.

New Jersey Dept. of Health Right To Know (RTK) List

No ingredients listed.

Pennsylvania Right To Know (RTK) List

No ingredients listed.

EU Regulations

This SDS complies with EC Regulations 1907/2006 (REACH) and amendments.

Water Hazard Class (Germany)

WGK 1, low water endangering

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization.

No ingredients listed.

Canada

This product is exempt from WHMIS label and SDS requirements.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

Some hazardous ingredients listed in Section 15 are below the cutoff limits of 0.1% for carcinogen, mutagen and reproductive toxin and 1% for other health hazards required for reporting in Section 3.

Section 16 Other Information

| | | |
|---|---|---|
| Beckman Coulter Safety Rating | Flammability: 0 Health: 2 Reactivity with Water: 0 Physical Contact: 2 | Code 0=None 1=Slight 2=Caution 3=Severe |
| Revision Changes | Updated E-mail address in Sec. 1.3. Update of product hazard classifications and label elements in Sec. 2. Updated hazard classification of pure ingredient in Sec. 3. Updated Section 9, 12, 16. | |
| Document version and issue/revision date | Revision Date (year/month/day) 2020/05/21 Last Revision Date (year/month/day) 2019/04/11 Document ID: ODC0012-75 Version: 06 | |
| Description of hazard Class and hazard statements from Section 3 | Aquatic Acute 1 - Aquatic Hazard Acute, Category 1 Acute Tox. Dermal 2 - Acute Toxicity Dermal, Category 2 Acute Tox. Inhal. 2 - Acute Toxicity Inhalation, Category 2 Acute Tox. Oral 3 - Acute Toxicity Oral, Category 3 | |

Section 16 Other Information (Continued)

Abbreviations and Acronyms

Eye Dam. 1 - Eye Damage Category 1
Aquatic Longterm 1 - Aquatic Hazard Long term, Category 1
Skin Corr. 1C - Skin Corrosion Category 1C
Skin Sens. 1A - Skin Sensitization Category 1A
H301 - Toxic if swallowed.
H310 - Fatal in contact with skin.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H330 - Fatal if inhaled.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
ACGIH - American Conference of Governmental Industrial Hygienists
ADR and RID - European Agreement Concerning The International Carriage Of Dangerous Goods By Road and Rail
CERCLA - The Comprehensive Environmental Response, Compensation, and Liability Act
CLP - Classification, Labeling and Packaging
DFGMAK - Republic Germany's maximum exposure limit
GHS - Globally Harmonized System
HCS - Hazard Communication Standard
IARC - International Agency for Research on Cancer
IATA DGR - International Air Transport Association Dangerous Goods Regulation
ICAO - International Civil Aviation Organization
IMDG - International Maritime Dangerous Goods
IOELVs - European Unions' Indicative Occupational Exposure Limit Values
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PBT - Persistent bioaccumulative and toxic substances
SARA - Superfund Amendments and Reauthorization Act
TDG - Canadian Transportation Of Dangerous Goods Regulations.
UN GHS - United Nations Globally Harmonized System
US DOT - United States Department of Transportation
WHMIS - Workplace Hazardous Material Information System
vPvB - Very persistent and very bioaccumulative substances
LD50 - Lethal Dose, 50%

For further information, please contact your local Beckman Coulter, Inc. representative.

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