

Kit SDS Cover Sheet

Document ID: OSR6195-75: Version 06
Revision Date (year/month/day) 2020/05/07
Last Revision Date (year/month/day) 2018/08/22

Product Information

| | |
|---------------------|---------------------------|
| Product Name | HDL Cholesterol |
| Part Number | OSR6195, OSR6295, OSR6695 |

Components

| | |
|--------------------|--|
| Description | HDL Cholesterol R1 HDL Cholesterol R2 |
|--------------------|--|

Transport Information

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



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

1.1 Product Identifier

Product Name HDL Cholesterol R1

Part Number Component of P/N OSR6195, OSR6295, OSR6695

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, Inc.
 250 S. Kraemer Blvd
 Brea, CA 92821, U.S.A.
 Tel: 800-854-3633

EC REP Address

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.
 Light yellow; Clear; Liquid; Odorless

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

Skin Sensitization Category 1
 Aquatic Hazard Long term, Category 2

Section 2 Hazards Identification (Continued)

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

Skin Sensitization Category 1
Respiratory Sensitization Category 1
Aquatic Hazard Acute, Category 2
Aquatic Hazard Long term, Category 2

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)

Peroxidase

Pictogram



Signal Word

DANGER

Hazard Statements

H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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.
P284 In case of inadequate ventilation, wear respiratory protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
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

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

See Section 11 Toxicological Information for more detailed health information.

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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 |
| Peroxidase CAS # 9003-99-0 EINECS # 232-668-6 Index # Not available | 0.1 - 0.2 | Resp. Sens. 1, H334 Skin Sens. 1, H317 | Resp. Sens. 1, H334 Skin Sens. 1, H317 | |
| 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 EINECS # Not available Index # Not available | < 0.06 | 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 | 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 | 9 |

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 allergy or asthma symptoms or breathing difficulties if inhaled.
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** For large fires use extinguishing media suitable for surrounding fire.
In case of fire use carbon dioxide (CO₂), dry chemical, water spray or foam.
- 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 (an aqueous solution).
- 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 Wear protective gloves, protective clothing and eye/face protection.
Observe general safety guidelines for protection; avoid eye and skin contact.
- 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 Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.
- 6.4 Reference to other sections** Refer sections 8 and 13.

Section 7 Handling and Storage

- 7.1 Precautions for safe handling** Use good laboratory procedures; avoid eye and skin contact.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store at 2 to 8°C, as directed on the product label.
To maintain efficacy, 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

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 | Liquid | Specific Gravity (Water=1.0) | Not determined |
| Color | Light yellow | Solubility | |
| Transparency | Clear | Water | Not miscible |
| Odor | Odorless | Organic | Not determined |
| pH | 6.0 | Partition coefficient: n-octanol/water | Not determined |
| Freezing Point | Similar to water, approximately 0°C | Auto-ignition Temp. | Product is not selfigniting |
| Boiling Point | Similar to water, approximately 100°C | Decomposition Temperature | Not determined |

Section 9 Physical and Chemical Properties (Continued)

| | | | |
|----------------------------------|--|-----------------------------|--|
| Flash Point | Not applicable | Percent Volatiles | Not applicable |
| Evaporation Rate | Not determined | Vapor Pressure | Similar to water, approximately 23 hPa |
| Flammability (Solid, Gas) | Not applicable | Viscosity | Not determined |
| Flammability Limits | Not applicable | Explosive Properties | Not applicable |
| Vapor Density | Not determined | 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 | No decomposition products posing significant hazards would be expected from this product (an aqueous solution). |

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 | Eye contact, ingestion, inhalation, and skin contact. |
| Acute Toxicity | Not classified based on available data. |
| Skin Corrosion/Irritation | Not classified based on available data. |

Section 11 Toxicological Information (Continued)

| | |
|---|--|
| Serious eye damage/eye irritation | Not classified based on available data. |
| Respiratory/skin sensitization | May cause sensitization by inhalation and skin contact. |
| Carcinogenicity | No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation. |
| 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 | No further relevant information available. |

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 |

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concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

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 07 - chemicals other than those mentioned in 18 01 06. 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.

Section 15 Regulatory Information (Continued)

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

No ingredients listed.

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: 3 Reactivity with Water: 0 Physical Contact: 3 | 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 4, 11, 12, 16. Updated Section 9. | |
| Document version and issue/revision date | Revision Date (year/month/day) 2020/05/07 Last Revision Date (year/month/day) 2018/08/22 Document ID: OSR6195-75 | |

Section 16 Other Information (Continued)

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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
Eye Dam. 1 - Eye Damage Category 1
Aquatic Longterm 1 - Aquatic Hazard Long term, Category 1
Resp. Sens. 1 - Respiratory Sensitization Category 1
Skin Corr. 1C - Skin Corrosion Category 1C
Skin Sens. 1 - Skin Sensitization Category 1
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.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Abbreviations and Acronyms

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

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Section 16 Other Information (Continued)

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

1.1 Product Identifier

Product Name HDL Cholesterol R2

Part Number Component of P/N OSR6195, OSR6295, OSR6695

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, Inc.
 250 S. Kraemer Blvd
 Brea, CA 92821, U.S.A.
 Tel: 800-854-3633

EC REP Address

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.

Light brown; Clear; Liquid; Odorless

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

Skin Sensitization Category 1

Aquatic Hazard Long term, Category 2

Section 2 Hazards Identification (Continued)

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

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

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

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>< 0.06</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 For large fires use extinguishing media suitable for surrounding fire.
In case of fire use carbon dioxide (CO₂), dry chemical, water spray or foam.

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 (an aqueous solution).

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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

Wear protective gloves, protective clothing and eye/face protection.
Observe general safety guidelines for protection; avoid eye and skin contact.

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

Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.

6.4 Reference to other sections

Refer sections 8 and 13.

Section 7 Handling and Storage

7.1 Precautions for safe handling Use good laboratory procedures; avoid eye and skin contact.

7.2 Conditions for safe storage, including any incompatibilities

Store at 2 to 8°C, as directed on the product label.
To maintain efficacy, 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

DFG MAK

None established

Ireland

None established

IOELVs

None established

NIOSH

None established

Section 8 Exposure Controls and Personal Protection (Continued)

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 | Liquid | Specific Gravity (Water=1.0) | Not determined |
| Color | Light brown | Solubility | |
| Transparency | Clear | Water | Not miscible |
| Odor | Odorless | Organic | Not determined |
| pH | 6.0 | Partition coefficient: n-octanol/water | Not determined |
| Freezing Point | Similar to water, approximately 0°C | Auto-ignition Temp. | Product is not selfigniting |
| Boiling Point | Similar to water, approximately 100°C | Decomposition Temperature | Not determined |
| Flash Point | Not applicable | Percent Volatiles | Not applicable |
| Evaporation Rate | Not determined | Vapor Pressure | Similar to water, approximately 23 hPa |
| Flammability (Solid, Gas) | Not applicable | Viscosity | Not determined |
| Flammability Limits | Not applicable | Explosive Properties | Not applicable |
| Vapor Density | Not determined | Oxidizing Properties | Not applicable |

Section 9 Physical and Chemical Properties (Continued)

| | |
|------------------------------|--|
| 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 | No decomposition products posing significant hazards would be expected from this product (an aqueous solution). |

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 | Eye contact, ingestion, inhalation, and skin contact. |
| 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 sensitization by skin contact. |
| Carcinogenicity | No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation. |
| Germ cell mutagenicity | Not classified based on available data. |
| Reproductive Toxicity | Not classified based on available data. |

Section 11 Toxicological Information (Continued)

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

No further relevant information available.

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.

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 07 - chemicals other than those mentioned in 18 01 06. 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.

Massachusetts Right To Know (RTK) List

No ingredients listed.

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

No ingredients listed.

Section 15 Regulatory Information (Continued)

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 4, 11, 12, 16.
Updated Section 9.

Document version and issue/revision date

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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
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

Section 16 Other Information (Continued)

Abbreviations and Acronyms

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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