SAFETY DATA SHEET

Document ID: B71515 Version AK
Revision Date (year/month/day) 2025/10/07
Last Revision Date (year/month/day) 2025/06/06

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name MicroScan Peptidase

Part number B1012-30B, B1015-30

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.
Restricted to professional users.

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

Supplier

CANADA
Beckman Coulter Canada LP
7075 Financial Drive
Mississauga, ON L5N 6V8
Canada
1-800-463-7828

AUSTRALIA
Beckman Coulter Australia Pty Ltd
23-27 Chaplin Drive
Lane Cove NSW 2066
Australia
ABN 81 002 011 672
24 Hour emergency contact phone number:
1800 060 881

NEW ZEALAND
Beckman Coulter NZ
Unit J, 33 Walmsley Road, Otahuhu,
Auckland 1062, New Zealand
Hours available: 08:30 - 17:00

ICELAND / ÍSLAND
Beckman Coulter AB
Ekbacksvägen 28
168 69 Bromma
Sweden
Phone No.: +46 80564 85 900
Hours available: 08.00-16.30

MALTA
DX Distributor:
Cherubino Ltd
DELF Building, Sliema Road, Gzira,
GZR 1637
Telephone: +356 21343270
Hours available: 08:30 – 17:00

UNITED KINGDOM
Beckman Coulter (UK) Ltd.
Amersham Place
Little Chalfont
Buckinghamshire
United Kingdom, HP7 9NA
01494 441181

SWITZERLAND
Beckman Coulter Eurocenter SA
22, rue Juste-Olivier, Case Postale 1044,
CH-1260 Nyon 1, Switzerland.
Telephone: +41 (0)22 365 36 11
Monday through Friday, 9:00 am to 7:00pm)

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

Section 1 Identification of the substance/mixture and of the company/undertaking (Continued)

e-mail address SDSNT@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

Distributor and emergency phone no.

Refer to attached list, Document ID: 472050, for local distributor and emergency phone numbers.

UNITED STATES - Emergency Phone (24h): Chemtrec (800) 424-9300, International (001) 703-527-3887

CANADA - Poison Centre: 1-844-764-7669; Centre antipoison du Québec: 1-800-463-5060

UNITED KINGDOM - For UK and Scotland: Emergency Call 999

IRELAND - National Poisons Information Centre Phone No.: Members of Public: +353 (01) 809 2166 (8:00 am to 10:00 pm 7 days a week); Healthcare Professionals: +353 (01) 809 2566 (24 hour service)

AUSTRALIA - 24 Hour emergency contact phone number: 1800 060 881

NEW ZEALAND - 24 Hour emergency number: 0800 446 109

Section 2 Hazards identification

2.1 Classification of the substance or mixture

Product description Mixture

yellow to orange; Liquid; Pungent

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

Skin Irritation Category 2, H315
Eye Irritation Category 2, H319
Toxic to Reproductive Category 1B, H360

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

Skin Irritation Category 2
Toxic to Reproductive Category 1
Eye Irritation Category 2

Section 2 Hazards identification (Continued)

2.2 Label elements

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

Hazardous ingredients

N,N-Dimethylformamide

Acetic Acid

2-Methoxyethanol

Pictogram

Signal word

DANGER

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

Precautionary statements

Prevention

P201 Obtain special instructions before use.

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

Response

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

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

Storage

P405 Store locked up.

Disposal

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**

Section 3 Composition and information on ingredients (Continued)

2-Methoxyethanol CAS # 109-86-4 EINECS # 203-713-7 Index # 603-011-00-4	1 - 5	Acute Tox. Dermal 4, H312 Acute Tox. Inhal. 4, H332 Acute Tox. Oral 4, H302 Flam. Liq. 3, H226 Repr. 1B, H360 Acute Toxicity Estimates (ATE) ATE Dermal = 1280 mg/kg ATE Inhalation - Vapors = 11 mg/L ATE Oral = 500 mg/kg	Acute Tox. Dermal 4, H312 Acute Tox. Inhal. 4, H332 Acute Tox. Oral 4, H302 Flam. Liq. 3, H226 Repr. 1B, H360	REST, SVHC
Acetic Acid CAS # 64-19-7 EINECS # 200-580-7 Index # 607-002-00-6	1 - <3	Flam. Liq. 3, H226 Skin Corr. 1A, H314 Specific Concentration Limit (SCL) Skin Irrit. 2 H315 >= 10% - < 25% Skin Corr. 1A H314 >= 90% Skin Corr. 1B H314 >= 25% - < 90% Eye Irrit. 2 H319 >= 10% - < 25%	Flam. Liq. 3, H226 Skin Corr. 1A, H314	REST
Sodium Lauryl Sulfate CAS # 151-21-3 EINECS # 205-788-1 Index # Not available	1 - 5	Acute Tox. Oral 4, H302 Eye Irrit. 2A, H319 Flam. Sol. 2, H228 Skin Irrit. 2, H315 Acute Toxicity Estimates (ATE) ATE Oral = 1288 mg/kg	Acute Tox. Oral 4, H302 Eye Irrit. 2A, H319 Flam. Sol. 2, H228 Skin Irrit. 2, H315	3, 8
N,N-Dimethylformamide CAS # 68-12-2 EINECS # 200-679-5 Index # 616-001-00-X	1 - 3	Acute Tox. Dermal 4, H312 Acute Tox. Inhal. 4, H332 Eye Irrit. 2, H319 Flam. Liq. 3, H226 Repr. 1B, H360 Acute Toxicity Estimates (ATE) ATE Dermal = 1100 mg/kg ATE Inhalation - Vapors = 11 mg/L	Acute Tox. Dermal 4, H312 Acute Tox. Inhal. 4, H332 Eye Irrit. 2, H319 Flam. Liq. 3, H226 Repr. 1B, H360	REST, SVHC

3 - Health hazard
8 - Present at concentration below the cut-off limits.
REST - Subject to Restriction as per Annex XVII of REACH Regulation (EC) No 1907/2006
SVHC - Substance of very high concern

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 for 15 minutes or longer, making sure that the eyelid is held open. If pain or irritation occurs, obtain medical advice/attention.

Section 4 First aid measures (Continued)

Skin contact — In case of skin contact, rinse with plenty of water. Remove contaminated clothing and shoes. If pain or irritation occurs, obtain medical advice/attention.

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

Exposure may result in irritation of skin and eyes.

May damage fertility or the unborn child.

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 Firefighting measures

5.1 Extinguishing media — In case of fire use carbon dioxide (CO_2), 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 (an aqueous solution).

5.3 Advice for firefighters

Protective equipment — Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

Additional information — No further relevant information available.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions — Observe general safety guidelines for protection; avoid eye and skin contact.

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.

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.

Section 7 Handling and storage (Continued)

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

N,N-Dimethylformamide CAS # 68-12-2	10 ppm TWA; 30 mg/m3 TWA; prevent or reduce skin absorption
Acetic Acid CAS # 64-19-7	10 ppm TWA; 25 mg/m3 TWA
2-Methoxyethanol CAS # 109-86-4	25 ppm TWA; 80 mg/m3 TWA; prevent or reduce skin absorption

ACGIH

N,N-Dimethylformamide CAS # 68-12-2	5 ppm TWA; Skin - potential significant contribution to overall exposure by the cutaneous route
Acetic Acid CAS # 64-19-7	15 ppm STEL; 10 ppm TWA
2-Methoxyethanol CAS # 109-86-4	0.1 ppm TWA; Skin - potential significant contribution to overall exposure by the cutaneous route

ACGIH Biological Exposure Indices (BEI)

N,N-Dimethylformamide CAS # 68-12-2	30 mg/L medium: urine time: end of shift parameter: total N-Methylformamide (total N-Methylformamide represents the sum of N-Methylformamide and N-(Hydroxymethyl)-N-methylformamide); 30 mg/L medium: urine time: end of shift at end of workweek parameter: N-Acetyl-S-(N-methylcarbamoyl)cysteine
2-Methoxyethanol CAS # 109-86-4	1 mg/g creatinine medium: urine time: end of shift at end of workweek parameter: 2-Methoxyacetic acid

DFG MAK

N,N-Dimethylformamide CAS # 68-12-2	10 ppm Peak; 30 mg/m3 Peak; skin notation; 5 ppm TWA MAK; 15 mg/m3 TWA MAK
Acetic Acid CAS # 64-19-7	20 ppm Peak; 50 mg/m3 Peak; 10 ppm TWA MAK; 25 mg/m3 TWA MAK
2-Methoxyethanol CAS # 109-86-4	8 ppm Peak (applies for the sum of the concentrations of 2-Methoxyethanol and 2-Methoxyethylacetate in air); 25.6 mg/m3 Peak (applies for the sum of the concentrations of 2-Methoxyethanol and 2-Methoxyethylacetate in air); skin notation; 1 ppm TWA MAK (applies for the sum of the concentrations of 2-Methoxyethanol and its Acetate in air); 3.2 mg/m3 TWA MAK (applies for the sum of the concentrations of 2-Methoxyethanol and its Acetate in air)

Section 8 Exposure controls and personal protection (Continued)

Ireland

N,N-Dimethylformamide CAS # 68-12-2	5 ppm TWA; 15 mg/m3 TWA; 10 ppm STEL; 30 mg/m3 STEL; Potential for cutaneous absorption
Acetic Acid CAS # 64-19-7	20 ppm TWA; 50 mg/m3 TWA; 20 ppm STEL; 50 mg/m3 STEL
2-Methoxyethanol CAS # 109-86-4	1 ppm TWA; 3 ppm STEL (calculated); Potential for cutaneous absorption

IOELVs

N,N-Dimethylformamide CAS # 68-12-2	Present (Substantial contribution to the total body burden via dermal exposure possible); 15 mg/m3 TWA; 5 ppm TWA; Possibility of significant uptake through the skin; 5 ppm TWA; 15 mg/m3 TWA; 10 ppm STEL; 30 mg/m3 STEL; 30 mg/m3 STEL; 10 ppm STEL
Acetic Acid CAS # 64-19-7	25 mg/m3 TWA; 10 ppm TWA; 50 mg/m3 STEL; 20 ppm STEL
2-Methoxyethanol CAS # 109-86-4	Present (Substantial contribution to the total body burden via dermal exposure possible); 1 ppm TWA; Possibility of significant uptake through the skin; 1 ppm TWA

NIOSH

N,N-Dimethylformamide CAS # 68-12-2	500 ppm IDLH; 10 ppm TWA; 30 mg/m3 TWA
Acetic Acid CAS # 64-19-7	50 ppm IDLH; 15 ppm STEL; 37 mg/m3 STEL; 10 ppm TWA; 25 mg/m3 TWA
2-Methoxyethanol CAS # 109-86-4	200 ppm IDLH; 0.1 ppm TWA; 0.3 mg/m3 TWA

China

N,N-Dimethylformamide CAS # 68-12-2	Skin notation; 20 mg/m3 TWA
Acetic Acid CAS # 64-19-7	20 mg/m3 STEL; 10 mg/m3 TWA
2-Methoxyethanol CAS # 109-86-4	Skin notation; 15 mg/m3 TWA

Croatia

N,N-Dimethylformamide CAS # 68-12-2	Skin Notation; 5 ppm TWA [GVI]; 15 mg/m3 TWA [GVI]; 10 ppm STEL [KGVI]; 30 mg/m3 STEL [KGVI]; Reproductive Toxin Category 1B
Acetic Acid CAS # 64-19-7	10 ppm TWA [GVI]; 25 mg/m3 TWA [GVI]; 20 ppm STEL [KGVI]; 50 mg/m3 STEL [KGVI]
2-Methoxyethanol CAS # 109-86-4	Skin Notation; 1 ppm TWA [GVI]; Reproductive Toxin Category 1B

Japan

N,N-Dimethylformamide CAS # 68-12-2	10 ppm OEL; 30 mg/m3 OEL
Acetic Acid CAS # 64-19-7	10 ppm OEL; 25 mg/m3 OEL
2-Methoxyethanol CAS # 109-86-4	0.1 ppm OEL; 0.31 mg/m3 OEL

Section 8 Exposure controls and personal protection (Continued)

Sweden (AFS 2015:7 and amendments)

N,N-Dimethylformamide CAS # 68-12-2	5 ppm TLV NGV; 15 mg/m3 TLV NGV; 10 ppm Binding STEL Bindande KGV; 30 mg/m3 Binding STEL Bindande KGV; Skin notation
Acetic Acid CAS # 64-19-7	5 ppm TLV NGV; 13 mg/m3 TLV NGV; 10 ppm Binding STEL Bindande KGV; 25 mg/m3 Binding STEL Bindande KGV
2-Methoxyethanol CAS # 109-86-4	1 ppm TLV NGV; Skin notation

Turkey

N,N-Dimethylformamide CAS # 68-12-2	10 ppm STEL; 30 mg/m3 STEL; Skin notation; 5 ppm TWA; 15 mg/m3 TWA
Acetic Acid CAS # 64-19-7	10 ppm TWA; 25 mg/m3 TWA
2-Methoxyethanol CAS # 109-86-4	Skin notation; 1 ppm TWA

***N,N*-dimethylformamide** (CAS No 68-12-2, EC. No 200-679-5) has Derived No-Effect Levels (DNEL) of 6 mg/m^3 for exposure by inhalation and 1.1 mg/kg/day for dermal exposure.

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	**Density and/or relative density**	Not determined
Color	yellow to orange	**Solubility**	
Odor	Pungent	**Water**	Miscible
pH	≈ 3.1	**Organic**	Not determined
Freezing point	Not determined	**Partition coefficient n-octanol/water (log value)**	Not determined
Boiling point or initial boiling point and boiling range	Not determined	**Auto-ignition temp.**	Not determined

Section 9 Physical and chemical properties (Continued)

Flash point	99°C (210.2°F)	**Decomposition temperature**	Not determined
Flammability	Not applicable	**Vapor pressure**	Not determined
		Kinematic viscosity	Not determined
Lower and upper explosion limit	Not determined		
Relative vapor density	Not determined		
Particle characteristics	Not applicable		

9.2 Other information

Information with regard to physical hazard classes

No further relevant information available.

Other safety characteristics

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 hazard classes

Toxicity data for hazardous ingredients

N,N-Dimethylformamide CAS # 68-12-2	Dermal LD50 Rat 1100 mg/kg (NZ_CCID); Inhalation LC50 Rat >5.85 mg/L 4 h (vapor)(ECHA_API); Oral LD50 Rat 2800 mg/kg (NLM_CIP)
Acetic Acid CAS # 64-19-7	Dermal LD50 Rabbit 1060 mg/kg (JAPAN_GHS); Inhalation LC50 Rat 11.4 mg/L 4 h (NLM_CIP); Oral LD50 Rat 3310 mg/kg (JAPAN_GHS)
Sodium Lauryl Sulfate CAS # 151-21-3	Dermal LD50 Rabbit 200 mg/kg (OECD_SIDS); Inhalation LC50 Rat >3900 mg/m3 1 h (dust)(NLM_CIP); Oral LD50 Rat 1288 mg/kg (NLM_CIP)
2-Methoxyethanol CAS # 109-86-4	Dermal LD50 Rabbit 1280 mg/kg (NLM_CIP); Inhalation LC50 Rat 1478 ppm 7 h (vapor)(JAPAN_GHS); Oral LD50 Rat 2370 mg/kg (JAPAN_GHS)

Section 11 Toxicological information (Continued)

Primary routes of exposure Eye contact, ingestion, inhalation, and skin contact.

Acute toxicity Not classified based on available data.

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/irritation May cause eye irritation.

Respiratory or skin sensitisation Not classified based on available data.

Germ cell mutagenicity Not classified based on available data.

Carcinogenicity This product does not contain a reportable concentration (≥ 0.1%) of any ingredient listed as carcinogen by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.

Reproductive toxicity May damage fertility or the unborn child.

Specific target organ toxicity (STOT) – single exposure

Not classified based on available data.

Specific target organ toxicity (STOT) – repeated exposure

Not classified based on available data.

Aspiration hazard Not classified based on available data.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not have substance(s) of endocrine disrupting properties for health according to REACH Article 57(f).

Other information No further relevant information available.

Section 12 Ecological information

12.1 Toxicity

Fresh water species

N,N-Dimethylformamide CAS # 68-12-2	LC50 96 h Lepomis macrochirus: 6300 mg/L (IUCLID); LC50 96 h Oncorhynchus mykiss: 9800 mg/L [flow-through] (IUCLID); LC50 96 h Pimephales promelas: 10410 mg/L [flow-through] (IUCLID)
Acetic Acid CAS # 64-19-7	LC50 96 h Pimephales promelas: 79 mg/L [static] (EPA); LC50 96 h Lepomis macrochirus: 75 mg/L [static] (EPA)
Sodium Lauryl Sulfate CAS # 151-21-3	LC50 96 h Pimephales promelas: 15 - 18.9 mg/L [static] (juvenile) (EPA); LC50 96 h Pimephales promelas: 8 - 12.5 mg/L [static] (fry) (EPA); LC50 96 h Pimephales promelas: 22.1 - 22.8 mg/L [static] (adult) (EPA); LC50 96 h Oncorhynchus mykiss: 4.3 - 8.5 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss: 4.62 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss: 4.2 mg/L (EPA); LC50 96 h Brachydanio rerio: 7.97 mg/L [flow-through] (IUCLID); LC50 96 h Brachydanio rerio: 9.9 - 20.1 mg/L [semi-static] (IUCLID); LC50 96 h Lepomis macrochirus: 4.06 - 5.75 mg/L [static] (IUCLID); LC50 96 h Lepomis macrochirus: 4.2 - 4.8 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus: 4.5 mg/L (IUCLID); LC50 96 h Pimephales promelas: 5.8 - 7.5 mg/L [static] (EPA); LC50

Section 12 Ecological information (Continued)

	96 h Pimephales promelas: 10.2 - 22.5 mg/L [semi-static] (IUCLID); LC50 96 h Pimephales promelas: 6.2 - 9.6 mg/L (IUCLID); LC50 96 h Poecilia reticulata: 13.5 - 18.3 mg/L [semi-static] (IUCLID); LC50 96 h Poecilia reticulata: 10.8 - 16.6 mg/L [static] (EPA); LC50 96 h Cyprinus carpio: 1.31 mg/L [semi-static] (EPA)
2-Methoxyethanol CAS # 109-86-4	LC50 96 h Lepomis macrochirus: 10000 mg/L [static] (EPA); LC50 96 h Lepomis macrochirus: 9650 mg/L [static] (IUCLID); LC50 96 h Oncorhynchus mykiss: 16000 mg/L [static] (IUCLID)
Microtox/organisms	No information available.
Water flea	
N,N-Dimethylformamide CAS # 68-12-2	EC50 48 h Daphnia magna: 7500 mg/L (IUCLID); EC50 48 h Daphnia magna: 8485 mg/L [semi-static] (EPA); EC50 48 h Daphnia magna: 6800 - 13900 mg/L [Static] (EPA)
Acetic Acid CAS # 64-19-7	EC50 48 h Daphnia magna: 65 mg/L [Static] (EPA)
Sodium Lauryl Sulfate CAS # 151-21-3	EC50 48 h Daphnia magna: 1.8 mg/L (IUCLID)
Fresh water algae	
N,N-Dimethylformamide CAS # 68-12-2	EC50 96 h Desmodesmus subspicatus: >500 mg/L (IUCLID)
Sodium Lauryl Sulfate CAS # 151-21-3	EC50 72 h Desmodesmus subspicatus: 53 mg/L (IUCLID); EC50 96 h Desmodesmus subspicatus: 30 - 100 mg/L (IUCLID); EC50 96 h Pseudokirchneriella subcapitata: 117 mg/L (IUCLID); EC50 96 h Pseudokirchneriella subcapitata: 3.59 - 15.6 mg/L [static] (EPA)

12.2 Persistence and degradability Not determined for the product.

12.3 Bioaccumulative potential 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 Endocrine disrupting properties

This product does not have substance(s) of endocrine disrupting properties for environment according to REACH Article 57(f).

12.7 Other adverse effects No further relevant information available.

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.

Additional information Suggested European waste catalogue 18 01 06* - chemicals consisting of or containing dangerous substances. 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 UN proper shipping name: Not regulated for transportation

14.3 Transport hazard class(es): 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 Maritime transport in bulk according to IMO instruments: 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)

CAS # 68-12-2	N,N-Dimethylformamide	0.1% de minimis concentration
CAS # 109-86-4	2-Methoxyethanol	1.0% de minimis concentration

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

CAS # 68-12-2	N,N-Dimethylformamide
CAS # 64-19-7	Acetic Acid

California Proposition 65

⚠ **WARNING** This product can expose you to chemical which is known to the State of California to cause cancer and/or reproductive harm. For more information go to www.P65Warnings.ca.gov

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

CAS # 68-12-2	N,N-Dimethylformamide

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

CAS # 109-86-4	2-Methoxyethanol

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

CAS # 109-86-4	2-Methoxyethanol

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

CAS # 68-12-2	N,N-Dimethylformamide
CAS # 64-19-7	Acetic Acid
CAS # 109-86-4	2-Methoxyethanol

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

CAS # 68-12-2	N,N-Dimethylformamide
CAS # 64-19-7	Acetic Acid
CAS # 109-86-4	2-Methoxyethanol

Pennsylvania Right To Know (RTK) List

CAS # 68-12-2	N,N-Dimethylformamide
CAS # 64-19-7	Acetic Acid
CAS # 109-86-4	2-Methoxyethanol

EU Regulations

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

Water Hazard Class (Germany)

WGK 2, water endangering

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - Substances Subject to Suspicious Transactions Reporting

No ingredients listed.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - Restricted Explosives Precursors

No ingredients listed.

REACH 1907/2006 EC - Candidate List of Substances of Very High Concern (SVHC)

CAS # 68-12-2	N,N-Dimethylformamide
CAS # 109-86-4	2-Methoxyethanol

REACH 1907/2006 EC - Annex XVII – Restrictions on Certain Dangerous Substances

CAS # 68-12-2	N,N-Dimethylformamide	Entry No.: 72; 30; 75; 76
CAS # 64-19-7	Acetic Acid	Entry No.: 75 (B)
CAS # 109-86-4	2-Methoxyethanol	Entry No.: 30; 75

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

No ingredients listed.

Refer to Section 3

UK Regulations

UK REACH Regulation (as Amended) - List of substances subject to authorisation

Refer to Section 3

Section 15 Regulatory information (Continued)

Canada

This product is exempt from WHMIS label and SDS requirements.

China

Catalog of Hazardous Chemicals - Hazardous Chemicals

CAS # 68-12-2	N,N-Dimethylformamide
CAS # 64-19-7	Acetic Acid
CAS # 109-86-4	2-Methoxyethanol

Inventory - China - Inventory of Existing Chemical Substances (IECSC)

All ingredients are listed or exempted.

Turkey

Türkiye-REACH - KKDIK Regulation - Annex 17 – Restrictions

CAS # 68-12-2	N,N-Dimethylformamide
CAS # 109-86-4	2-Methoxyethanol

International

UN/FAO/Rotterdam Convention - Chemicals Subject to Prior Informed Consent (PIC)

No ingredients listed.

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 Section 9.

Document version and issue/revision date

Revision Date (year/month/day) 2025/10/07
Last Revision Date (year/month/day) 2025/06/06
Document ID: B71515
Version: AK

Section 16 Other information (Continued)

Hazard Classification Procedure

This mixture was classified using the calculation method for human health and environmental hazards. Physical hazards were determined based on the specification.

Description of hazard class and hazard statements from Section 3

Acute Tox. Dermal 4 - Acute Toxicity Dermal, Category 4
Acute Tox. Inhal. 4 - Acute Toxicity Inhalation, Category 4
Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4
Eye Irrit. 2 - Eye Irritation Category 2
Eye Irrit. 2A - Eye Irritation Category 2A
Flam. Liq. 3 - Flammable Liquids, Category 3
Flam. Sol. 2 - Flammable Solids, Category 2
Skin Corr. 1A - Skin Corrosion Category 1A
Skin Irrit. 2 - Skin Irritation Category 2
Repr. 1B - Toxic to Reproductive Category 1B
H226 - Flammable liquid and vapour.
H228 - Flammable solid.
H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H360 - May damage fertility or the unborn child.

Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists (ACGIH)
ADR and RID - European Agreement Concerning the International Carriage of Dangerous Goods by Road and Rail
CLP - Classification, Labeling and Packaging
DFGMAK - Republic Germany's maximum exposure limit
EC50 - Concentration of a substance in an environmental medium expected to produce a certain effect in 50% of test organisms
GHS - Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
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
IDLH - Immediately Dangerous to Life or Health
IMDG - International Maritime Dangerous Goods
IMO - International Maritime Organization
IOELVs - European Unions' Indicative Occupational Exposure Limit Values
LC50 - Concentration of a substance in water causing death (50% of the tested population) to aquatic life
LD50 - Lethal Dose 50%

Section 16 Other information (Continued)

NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PBT - Persistent Bioaccumulative and Toxic substances
PEL - Permissible Exposure Limit
SARA - Superfund Amendments and Reauthorization Act
STEL – Short Term Exposure Limit
STLV - Short Term Limit Value
STV - Short Term Value
TDG - Canadian Transportation of Dangerous Goods Regulations
TLV - Threshold Limit Value
TWA – Time Weighted Average
UN GHS - United Nations Globally Harmonized System
US DOT - United States Department of Transportation
US OSHA - United States Occupational Safety and Health Administration
vPvB - very Persistent and very Bioaccumulative substances
WHMIS - Workplace Hazardous Material Information System

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