

SAFETY DATA SHEET

Document ID: 306812-75 Version AM
Revision Date (year/month/day) 2023/12/21
Last Revision Date (year/month/day) 2023/05/28

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

1.1 Product identifier

Product name Spinkote

Part number 306812

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

Product use For laboratory use only

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

UNITED KINGDOM
Beckman Coulter (UK) Ltd.
Oakley Court
Kingsmead Business Park, London
Road
High Wycombe
United Kingdom HP11 1JU
01494 441181

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

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)

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
DELFI Building, Sliema Road, Gzira,
GZR 1637
Telephone: +356 21343270
Hours available: 08:30 – 17:00

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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

White to off-white; Grease; Mineral oil odor

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

Aquatic Hazard Long term, Category 2, H411

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

Zinc Oxide

Pictogram



Signal word

None

Hazard statements

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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Section 2 Hazards identification (Continued)

Prevention

P273 Avoid release to the environment.

Response

P391 Collect spillage.

Storage

None

Disposal

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

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
Zinc Oxide CAS # 1314-13-2 EINECS # 215-222-5 Index # 030-013-00-7	5 - 10	Aquatic Acute 1, H400 Aquatic Longterm 1, H410	Aquatic Acute 1, H400 Aquatic Longterm 1, H410	

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

No adverse symptoms or effects have been identified.

4.3 Indication of any immediate medical attention and special treatment needed

No specific medical attention or treatment required.

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Section 5 Firefighting 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.
- 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 No special precautions are necessary. Use good laboratory procedures.
- 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** No special precautions are necessary; use good laboratory procedures.
- 7.2 Conditions for safe storage, including any incompatibilities**
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

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Section 8 Exposure controls and personal protection (Continued)

US OSHA

Zinc Oxide
CAS # 1314-13-2 5 mg/m³ TWA (fume); 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)

ACGIH

Zinc Oxide
CAS # 1314-13-2 10 mg/m³ STEL (respirable particulate matter); 2 mg/m³ TWA (respirable particulate matter)

ACGIH Biological Exposure Indices (BEI)

None established

DFG MAK

None established

Ireland

Zinc Oxide
CAS # 1314-13-2 2 mg/m³ TWA (fume; respirable fraction); 10 mg/m³ STEL (fume; respirable fraction)

IOELVs

None established

NIOSH

Zinc Oxide
CAS # 1314-13-2 500 mg/m³ IDLH; 10 mg/m³ STEL (fume); 5 mg/m³ TWA (dust and fume)

China

Zinc Oxide
CAS # 1314-13-2 5 mg/m³ STEL; 3 mg/m³ TWA

Croatia

Zinc Oxide
CAS # 1314-13-2 2 mg/m³ TWA [GVI] (respirable dust); 10 mg/m³ STEL [KGVI]

Japan

Zinc Oxide
CAS # 1314-13-2 0.5 mg/m³ OEL (nanoform)(fume); 4 mg/m³ OEL (Class 2 Dust)(total dust); 1 mg/m³ OEL (Class 2 Dust)(respirable dust)

Sweden (AFS 2015:7 and amendments)

Zinc Oxide
CAS # 1314-13-2 5 mg/m³ TLV NGV

Turkey

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 protective clothing and impervious gloves, as appropriate.

Respiratory protection

Under normal conditions, the use of this product should not require respiratory protection.

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Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Grease	Density and/or relative density	0.96 - 0.98
Color	White to off-white	Solubility	
Odor	Mineral oil odor	Water	Insoluble in water.
pH	Not determined	Organic	Not available
Melting Point	Not determined	Partition coefficient n-octanol/water (log value)	Not determined
Boiling point or initial boiling point and boiling range	≈ 288°C (550.4°F)	Auto-ignition temp.	Not applicable
Flash point	≈ 238°C (460.4°F)	Decomposition temperature	Not determined
Flammability	Not applicable	Vapor pressure	≈ 0.01 mm Hg @25°C
		Kinematic viscosity	1.05 - 1.6 cm ² /s @40°C
Lower and upper explosion limit	Not applicable		
Relative vapor density	≈ 5 (air=1)		
Particle characteristics	Not determined		

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.

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Section 10 Stability and reactivity (Continued)

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 hazard classes**Toxicity data for hazardous ingredients**

Zinc Oxide
CAS # 1314-13-2

Dermal LD50 Rat >2000 mg/kg (ECHA_API); Inhalation LC50 Rat >5700 mg/m³ 4 h (no deaths occurred)(dust aerosol)(ECHA_API); Oral LD50 Rat >5000 mg/kg (in water)(EU_RAR)

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/irritation Not classified based on available data.

Respiratory or skin sensitisation Not classified based on available data.

Germ cell mutagenicity Not classified based on available data.

Carcinogenicity No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.

Reproductive toxicity Not classified based on available data.

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.

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Section 12 Ecological information

12.1 Toxicity

Fresh water species

Zinc Oxide
CAS # 1314-13-2

LC50 96 h Danio rerio: 1.55 mg/L [static] (ECHA)

Microtox/organisms

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 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

Toxic to aquatic life with long lasting 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.

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.

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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)

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

CAS # 1314-13-2 Zinc Oxide

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

CAS # 1314-13-2 Zinc Oxide

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Section 15 Regulatory information (Continued)

Pennsylvania Right To Know (RTK) List

CAS # 1314-13-2 Zinc Oxide

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)

No ingredients listed.

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

CAS # 1314-13-2 Zinc Oxide Entry No.: 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

Canada

This product does not meet WHMIS criteria for hazardous materials.

China**Catalog of Hazardous Chemicals - Hazardous Chemicals**

No ingredients listed.

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

All ingredients are listed or exempted.

Turkey**Turkey-REACH - KKDIK Regulation - Annex 17 – Restrictions**

No ingredients listed.

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

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Section 15 Regulatory information (Continued)

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: 0 Reactivity with water: 0 Physical contact: 0	Code 0=None 1=Slight 2=Caution 3=Severe
Revision changes	Updated sections 1, 2, 3, 4, 8 and 15	
Document version and issue/revision date	Revision Date (year/month/day) 2023/12/21 Last Revision Date (year/month/day) 2023/05/28 Document ID: 306812-75 Version: AM	
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	Aquatic Acute 1 - Aquatic Hazard Acute, Category 1 Aquatic Longterm 1 - Aquatic Hazard Long term, Category 1 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 (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	

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Section 16 Other information (Continued)

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%
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

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