SAFETY DATA SHEET

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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

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

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

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

Telephone: +356 21343270
Hours available: 08:30 – 17:00

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

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Section 2 Hazards identification (Continued)

Hazard statements

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

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	REST

REST - Subject to Restriction as per Annex XVII of REACH Regulation (EC) No 1907/2006

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.

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Section 4 First aid measures (Continued)

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.

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.

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.

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Section 8 Exposure controls and personal protection

8.1 Control parameters

Exposure limits

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.

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Section 8 Exposure controls and personal protection (Continued)

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.

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 cm2/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.

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Section 10 Stability and reactivity (Continued)

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 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.

Section 14 Transport information

	Shipping information	IATA	IMDG	US DOT	European ADR	Canadian TDG
14.1	UN/ID number	3077	3077	3077	3077	PIN - 3077
14.2	UN proper shipping name	Environmentally hazardous substance, solid, n.o.s, (Zinc Oxide)				
14.3	Transport hazard class(es)	9 Miscellaneous Dangerous Goods	9 Miscellaneous dangerous substances and articles	9 Miscellaneous hazardous material	9 Miscellaneous dangerous substances and articles	9 Miscellaneous Dangerous Goods
	Subsidiary risk	None	None	None	None	None
	Classification code	Not applicable	Not applicable	Not applicable	M7	Not applicable

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Section 14 Transport information (Continued)

14.4	**Packing group**	III	III	III	III	III
	Special provisions	A97, A158, A179, A197, A215	274, 335, 966, 967, 969	8, 146, 335, 384, 441	274, 335, 375, 601	16, 99
	Additional information					
	IATA ERG code	9L	Not applicable	Not applicable	Not applicable	Not applicable
	EmS	Not applicable	F-A, S-F	Not applicable	Not applicable	Not applicable
	NAERG code	Not applicable	Not applicable	171	Not applicable	171
14.5	**Environmental hazards**					
	Marine pollutant	Not applicable	No	Not applicable	Not applicable	Not applicable

14.6 Special precautions for user

No special precautions for users are required.

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.

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Section 15 Regulatory information (Continued)

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

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

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Section 15 Regulatory information (Continued)

Turkey-REACH - KKDIK Regulation - Annex 17 – Restrictions

No ingredients listed.

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: 0** **Reactivity with water: 0** **Physical contact: 0**	Code 0=None 1=Slight 2=Caution 3=Severe

Revision changes

Updated Section 14.

Document version and issue/revision date

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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

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Section 16 Other information (Continued)

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%

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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