

Safety Data Sheet (SDS) According to the REACH Regulation (EC) No. 1907/2006

Issuing Date: 2014-01-31

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Version: 3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product No 12369
Product name Nitrocellulose Sandwiches

Contains

Chemical name	Index No.	CAS No
nitrocellulose, containing a maximum of 12,6 % nitrogen (60-100) -		9004-70-0

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

Identified uses For Research Use Only. Not for Use in Diagnostic Procedures.

1.3. Details of the supplier of the safety data sheet

Importer	Manufacturer
Cell Signaling Technology Europe B.V. Dellaertweg 9b 2316 WZ Leiden The Netherlands TEL: +31 (0)71 7200 200 FAX: +31 (0)71 891 0019	Cell Signaling Technology, Inc. 3 Trask Lane Danvers, MA 01923 United States TEL: +1 978 867 2300 FAX: +1 978 867 2400

Website	www.cellsignal.com
E-mail Address	info@cellsignal.eu

1.4. Emergency telephone number

CHEMTREC 24 hours a day, 7 days a week, 365 days a year
+1 703 527 3887 (INTERNATIONAL) +1 800 424 9300 (NORTH AMERICA)

Europe 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Flammable solids	Category 1 - (H228)
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2.2. Label elements

**Signal word**

Danger

Hazard statement(s)

H228 - Flammable solid.

Precautionary statement(s)

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

2.3. Other hazards

No information available.

For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	CAS No	Weight-%	EC No	Classification (1272/2008)	REACH Registration Number
nitrocellulose, containing a maximum of 12,6 % nitrogen	9004-70-0	60-100	-	Flam. Sol. 1 (H228)	no data available

For the full text of the R-phrases mentioned in this Section, see Section 16

SECTION 4: First aid measures

4.1. Description of first aid measures**General advice**

Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation

Move to fresh air. If breathing is irregular or stopped, administer artificial respiration.

Skin contact

Wash skin with soap and water.

Eye contact

Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion

Clean mouth with water and afterwards drink plenty of water.

Protection of first-aiders

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

4.2. Most important symptoms and effects, both acute and delayed

Respiratory irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Unsuitable Extinguishing Media None

5.2. Special hazards arising from the substance or mixture

Extremely flammable. Will be easily ignited by heat, sparks or flames.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Cool all affected containers with flooding quantities of water. Apply water from as far a distance as possible.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Use personal protective equipment.
For emergency responders Use personal protective equipment as required.
Other information Keep substance wet using water spray.

6.2. Environmental precautions

Should not be released into the environment. See Section 12 for more information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.
Methods for cleaning up Use personal protective equipment. Flush area with flooding quantities of water. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Sections 8 & 13 for additional information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges. Remove all sources of ignition. Use according to package label instructions.

7.2. Conditions for safe storage, including any incompatibilities

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Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. For safety reasons in case of fire, cans should be stored separately in closed containments.

7.3. Specific end use(s)

Use as a laboratory reagent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2. Exposure controls

Appropriate engineering controls

Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses with side-shields.
Skin protection	Wear protective gloves and protective clothing.
Hand protection	Impervious gloves.
Other	Impervious clothing Long sleeved clothing
Respiratory protection	In case of inadequate ventilation wear respiratory protection.

Environmental Exposure Controls

No information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid - Membrane
Color	White
Odor	Odorless

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	No information available
Melting point/freezing point	No information available	No information available
Boiling point or initial boiling point and boiling range	No information available	No information available
Flash point	No information available	No information available.
Evaporation rate	No information available	No information available
Flammability	No information available	No information available
Upper/lower flammability or explosive limits	No information available	No information available
Vapor pressure	No information available	No information available
Relative vapor density	No information available	No information available
Density and/or relative density	No information available	No information available
Solubility	No information available.	No information available
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	>160 °C	
Decomposition temperature	No information available	No information available.
Viscosity	No information available	No information available

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Explosive properties No information available No information available
Oxidizing properties No information available No information available

9.2. Other information

Softening point No information available
Molecular Weight No information available
Solubility in other solvents No information available
VOC content No information available
Liquid Density No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with incompatible materials causing a fire and explosion hazard.

10.2. Chemical stability

Stable under recommended storage conditions. Decomposes on heating.

10.3. Possibility of hazardous reactions

Hazardous polymerization None under normal processing.
Hazardous reactions Exothermic reaction possible with strong oxidizers

10.4. Conditions to avoid

Heat, flames and sparks. Storage near to reactive materials.

10.5. Incompatible materials

Strong oxidizing agents, strong acids, and strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions: Nitrogen oxides (NO_x), Carbon oxides (CO_x), Aldehydes.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
nitrocellulose, containing a maximum of 12,6 % nitrogen	> 5000 mg/kg (Rat)	-	-

Unknown Acute Toxicity No information available.

Information on likely routes of exposure

Inhalation May cause irritation of respiratory tract.
Eye contact Not an expected route of exposure.
Skin contact There is no data available for this product.

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Ingestion	There is no data available for this product.
Symptoms	Respiratory irritation.
Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Sensitization	No information available.
Mutagenic effects	No information available.
Carcinogenicity	The list below indicates any ingredient listed as a carcinogen:

Chemical name	European Union	IARC
nitrocellulose, containing a maximum of 12,6 % nitrogen		Group 2A

Legend:

IARC: (International Agency for Research on Cancer) *Group 2B - Possibly Carcinogenic to Humans*

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration Hazard	No information available.

11.2. Information on other hazards

No information available.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

Bioaccumulation Not likely to bioaccumulate.

Bioconcentration factor (BCF) No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

12.7. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IMDG/IMO

14.1 UN number	UN3270
14.2 UN proper shipping name	Nitrocellulose membrane filters
14.3 Transport hazard class(es)	4.1
14.4 Packing group	II
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Maritime transport in bulk according to IMO instruments	Not regulated

ADR/RID

14.1 UN number	UN3270
14.2 UN proper shipping name	Nitrocellulose membrane filters
14.3 Transport hazard class(es)	4.1
14.4 Packing group	II
14.5 Environmental hazards	None
14.6 Special precautions for user	

IATA

14.1 UN number	UN3270
14.2 UN proper shipping name	Nitrocellulose membrane filters
14.3 Transport hazard class(es)	4.1
14.4 Packing group	II
14.5 Environmental hazards	None
14.6 Special precautions for user	

SECTION 15: Regulatory information

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

Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

This product does not contain Substances of Very High Concern (SVHC).

SEVESO Directive Information

This product does not contain substances identified in the SEVESO Directive.

International inventories

TSCA 8(b)	Complies
DSL/NDSL	Complies

EINECS/ELINCS	-
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out

SECTION 16: Other information

Full text of H-Statements referred to under Sections 2 and 3

H228 - Flammable solid

Classification procedure: Expert judgment and weight of evidence determination.

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Disclaimer

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