Safety Data Sheet

(in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

Version :	2.10
Revision date:	22.9.2017
Date of previous issue:	22.5.2017

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Talc as slurry.

REACH Registr. n°: Exempted in accordance with Annex V.7

Trade names:

Finntalc F08	Finntalc C10	Finntalc C15	Finntalc C15XO
Finntalc F15	Finntalc C10B	Finntalc C15B	Finntalc P05
Finntalc F40	Finntalc C10CH	Finntalc C15N	Finntalc P10
	Finntalc C10-T2	Finntalc C15PD	Finntalc M15
	Finntalc C10XR2	Finntalc C15XR2	Finntalc M03
	Finntalc C10XR3	Finntalc C15XR3	Finntalc M03B

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

Functional mineral for use in e-g. paper industry.

1.3 Details of the supplier of the safety data sheet

Company Name**:**	Mondo Minerals B.V. Branch Finland	Mondo Minerals B.V.
Address:	P.O. BOX 603 87101 Kajaani, Finland	Kajuitweg 8 1041 AR Amsterdam
Phone N°:	+358 (0)1056 211	+31 (0)20 448 7448
Fax N°:	+358 (0)10562 1304	+31 (0)20 448 7437
E-mail of responsible person for SDS:	info@mondominerals.com	

1.4 Emergency telephone number

Emergency telephone number: +31 (0)20 448 7448

Available outside office hours? ❑Yes ☑No

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008.

Regulation EC 1272/2008: No classification**.**

2.2 Label elements

Label element according to Regulation (EC) No 1272/2008

Pictogram: none

Signal Word: none

Hazard statement: none

Precautionary statements: none

2.2 Other hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Main constituent

Finntalc Slurry is a natural association of talc, chlorite, dolomite and magnesite.

Main constituents

Name	CAS	EINECS	%wt/wt	Classification EC 1272/2008 :
Talc	14807-96-6	238-877-9	40-65	No classification
Chlorite	1318-59-8	215-285-9	} 0-3	No classification
Dolomite	16389-88-1	240-440-2		No classification
Magnesite	13717-00-5	-		No classification

This product does not contain detectable amounts of asbestos fibres as defined by the US Occupational Safety and Health Administration (OSHA) and the European Directive 2009/148/EC, when analysed by conventional methods. This statement is based upon verification by certified independent laboratories.

The product is slightly alkaline, it may irritate skin and eyes.

The product may contain small amounts of dispersing aids which do not affect to product safety.

3.2 Impurities

This product does not contain any classified impurity.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: Rinse with copious quantities of water and seek medical attention if irritation persists.

Inhalation: No special first aid measures. Remove to fresh air and get medical attention in case of serious respiratory problems.

Ingestion: No special first-aid measure required. If problems occur get for medical attention.

4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of any immediate medical attention and special treatment needed

No specific actions are required.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

All extinguishing media can be used.

5.2 Special hazards arising from the substance or mixture

The product is not flammable, combustible or explosive. No hazardous thermal decomposition.

5.3 Advice for firefighters

No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid the spilling of slurry onto skin and into eyes by using aporpriate protective clothing and equipment. Spills onto surfaces can cause slippings. Avoid spillage and clean contaminated areas.

6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods and material for containment and cleaning up

Vacuum or sweep up material and place in a designated, labelled waste container. Rests can be washed away. Do not leave surfaces slippery and avoid blocking of sewages. Avoid creating dusty conditions and prevent wind dispersal for the dried product.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid spillage onto surfaces.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Precautions: Keep the product in a tank with mixing apparatus.

7.3 Specific end use(s)

If you require advice on specific uses, please contact your supplier.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

8.2.2 Individual protection measures, such as personal protective equipment

Eye/face protection:	Wear safety glasses with side-shields
Skin protection:	Wear work clothing and shoes
Hand protection:	Gloves, e.g. rubber, breakthrough time >480 min.
Respiratory protection:	In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

8.2.3 Environmental exposure controls

Avoid contamination of water environments.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance :	Slurry
Color	White, off white to light grey slurry.
Odour:	Odourless
Odour threshold:	Not relevant
pH:	7,5-11 (pH should be measured, generally, at 10% wt in water dispersion)
Melting point/freezing point:	> 100 °C
Flammability (solid, gas):	Non flamable
Upper/lower flammability or explosive limits:	Not explosive. Limits do not apply.
Relative density	1,3-1,8 g/cm3
Solubility(ies):	
Solubility in water:	Negligible
Solubility in hydrofluoric acid:	Yes
Decomposition temperature:	> 1000 °C
Viscosity:	max. 2000 mPa·s, Brookfield, 100 rpm
Explosive properties:	Not explosive.
Oxidising properties:	Not oxidizing.

9.2 Other information

No other information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Inert, not reactive.

10.2 Chemical stability

Chemically stable.

10.3 Possibility of hazardous reactions

No hazardous reactions.

10.4 Conditions to avoid

Not relevant

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

Not relevant.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on the likely route of exposure:

Inhalation is the primary route of exposure. Repeated and prolonged exposure to large amount of talc dust might induce a mild pneumoconiosis. This is caused by lung overload exposure, a non specific particle effect, rather than a specific intrinsic fibrogenic activity of talc.

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met
Serious eye damage/irritation:	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met
Germ cell mutagenicity:	Based on available data, the classification criteria are not met
Carcinogenicity:	Based on available data, the classification criteria are not met
Reproductive toxicity:	No data are available on this product.
STOT-single exposure:	Based on available data, the classification criteria are not met
STOT-repeated exposure:	Based on available data, the classification criteria are not met
Aspiration hazard:	Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data are available on this product.

No specific adverse effect known.

12.2 Persistence and degradability

No data are available on this product.

Product is an inorganic substance and therefore is not considered biodegradable.

12.3 Bioaccumulative potential

Not relevant.

12.4 Mobility in soil

Negligible.

12.5 Results of PBT and vPvB assessment

Not relevant.

12.6 Other adverse effects

No specific adverse effects known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues/unused products:	Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.
Packaging:	Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles.

The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

Recycling and disposal of packaging should be carried out in compliance with local regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not relevant.

14.2 UN proper shipping name

Not relevant

14.3 Transport hazard class(es)

ADR: Not classified.

IMDG: Not classified.

ICAO/IATA: Not classified.

RID: Not classified.

14.4 Packing group

Not relevant.

14.5 Environmental hazards

Not relevant.

14.6 Special precautions for user

No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

SECTION 15: REGULATORY INFORMATION

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

National legislation/requirements:

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International legislation/requirements:

Industrial Safety and Health Law: This product does not contain harmful or controlled hazardous substances under ISHL

Toxic Chemical Control Act: This product does not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.

Dangerous Substance Management Law: This product does not contain chemical substances regulated under DSML.

Waste Management Law: Ensure to dispose of in accordance with the waste treatment standards prescribed in Waste Management Law.

Other regulations based on domestic or foreign laws:

The following inventories have been investigated as to the publicly available portion of the lists:

Mineral	CAS	EINECS (EU)	AICS (Australia)	CEPA (DSL/ NDSL) (Canada)	KECI Korean Gazette No. (Korea)	ENCS/ISHL/MITI (Japan)	IECSC (China)	PICCS (Phillipines)	TSCA (USA)	SWISS ID No. (Switzer-land)	NZIoC (New Zealand)
Talc	14807-96-6	238-877-9	Yes	Yes (DSL)	KE-32773	Yes	Yes	Yes	Yes	G-6939	Yes
Chlorite	1318-59-8	215-285-9	No	Yes (DSL)	KE-05489	Yes	Yes	Yes	Yes	Not listed	Yes
Dolomite	16389-88-1	240-440-2	Yes	Yes (DSL)	KE-13036	Yes	Yes	Yes	Yes	G-8431	Yes
Magnesite	546-93-0	208-915-9	Yes	Yes (DSL)	KE-22686	Yes	Yes	Yes	Yes	G-7477	Yes

15.2 Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V.7.

SECTION 16: OTHER INFORMATION

16.1 Indication of the changes made to the previous version of the SDS.

Date of previous issue: 22.5.2017

Revision Details:

Finntalc F40, Finntalc C10XR3

16.2 References and sources

1. Baan, R, Straif K, Secretan B, Ghissassi FE and Cogliano V. (2006), On behalf of the WHO International Agency for Research on cancer Monograph Working Group. Carcinogenicity of carbon black, titanium dioxide and talc. The Lancet Oncology. 7:295-296.

2. Wild, P.; "Lung cancer risk and talc not containing asbestiform fibers: a review of the epidemiological evidence". Occup. Environ. Med. 2006; 63, 4-9.

3. Cohrssen, B. and Powell C.H. (2001). Talc. In Patty's Toxicology, 5th ed., Bingham, E., Cohrssen, B., and Powell, C.H., eds., John Wiley & Sons, Inc. NY. pp. 519-538.

4. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. Vol. 42. Silica and some silicates pp.185-224, International Agency for Research on Cancer, Lyon, France, 1987, 1 vol., 289 p.

5. IARC Monographs on the Evaluation of Carcinogenic Risks to Humans Volume 93 (2010), Carbon Black, Titanium Dioxide and Talc

6. WILD, P. et coll; „Effects of talc dust on respiratory health: results of a longitudinal survey of 378 French and Austrian talc workers", Occup. Environ. Med. 2008; 65, 261-267.

7. USEPA 1992. Health Assessment Document for Talc, Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment, U.S. Environmental Protection Agency, Research Triangle Park, NC. EPA 600/8-91/217, March 1992.

Third party materials

This material safety data sheet complements the technical data sheets but does not replace them. The information it contains is based on our present knowledge of the product on the date indicated. It is given in good faith. Users should be warned about the risks associated with using the product for a different purpose than that for which it was developed, and particularly for uses for which we are not qualified to give advice.

These regulatory prescriptions are provided with a view to helping users meet their obligations when using this product. This list should not be considered exhaustive and does not exempt users from ensuring that they are not required to comply with any further prescriptions other than those mentioned above concerning product possession and handling for which they are solely responsible.