



Safety Data Sheet

In compliance with 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Version: 7

Revision: 01/2022

Section 1. Identification

1.1 Product identifier:

HTPultra5	HTPultra5c	HTPultra5L	HTPultra10	HTPultra10c	HTPultra10L
HTP05	HTP05c	HTP05L	HTP1	HTP1c	HTP1L
HTP2	HTP2c	HTP2L	HTP3	HTP3L	HTP4
HVTultrac	BT2213	BT2210	BT2209	BT2207	BT2204
BT2204L	BT2203	BT2203L	BT2202	BT2202c	BT2202L
CH05L	NB240L	GT4410	CH2	CH2L	CH05
HM05c	NB140L	HM4	HM05	HM05L	

Substance name:	Talc	
Synonyms:	talcum, steatite, soapstone.	
Chemical name and formula:	Hydrous magnesium silicate.	Mg ₃ Si ₄ O ₁₀ (OH) ₂
CAS:	14807-96-6	
EINECS:	238-877-9	

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

Identified uses:	Functional mineral for use in industrial applications.
Use advised against:	None

1.3 Details of the supplier of the safety data sheet

Company name	IMI Fabi L.L.C.
Address	209 Marshall Street - 26031 Benwood (WV) - USA
Phone N°	(+1) 304 233 0050
E-mail of responsible person for SDS:	info@imifabi.com

1.4 Emergency telephone numbers

Emergency phone number at the Company:	(+1) 304 233 0050
Available outside office hours:	No
Languages of the phone service:	English



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Section 2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification: no classification

2.2 Label elements

Pictogram: none

Signal word: none

Hazard statement: none

Precautionary statement: none

2.3 Other hazards: none

Section 3. Composition / Information on ingredients

Talc is a substance of Unknown or Variable composition, Complex reaction products or Biological materials (UVCB, type 4).

Name	CAS	EC Number	Concentration range (wt%)	Classification according to Reg. (EC) 1272/2008
Talc	14807-96-6	238-877-9	100%	Not classified

Impurities: Not applicable. The purity of the product is 100 % w/w. The product contains below 0.1% (w/w) Respirable Crystalline Silica (CAS: 14808-60-7).

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.

Skin contact: No special first aid measures necessary.

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

Ingestion: No first aid measures required.



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4.2 Most important symptoms and effects both acute and delayed

Symptoms of acute accidental exposure would be non-specific and similar to those of a massive inhalation of any dust without toxic effects. These symptoms may include coughing, expectoration, sneezing, and difficulty in breathing due to upper respiratory tract irritation.

4.3 Indication of immediate medical attention and special treatment needed:

No specific actions are required

Section 5. Fire-fighting Measures

5.1 Extinguishing media:

5.1.1. Suitable extinguishing media: All extinguishing media can be used.

5.1.2. Unsuitable extinguishing media: No restriction on the extinguishing media to be used.

5.2 Special hazards arising from the substance or mixture:

The products are not flammable, combustible or explosive. No hazardous thermal decomposition.

5.3 Advice for fire-fighters:

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 airborne dust generation. If the generation of dust is likely, respiratory personal protective equipment should be worn in compliance with MSHA/NIOSH or OSHA/NIOSH.

6.2 Environmental precautions:

No special requirements. Contain spillage and clean up as indicated below.

6.3 Methods and material for containment and cleaning up:

Dry products should be cleaned with a shovel or vacuum cleaner (with high-efficiency particulate air filter) while wearing personal protective equipment in compliance with national legislation. Washing the floor with water is not recommended since it may cause the floor to become slippery. However, if talc is already wet, and only in this case, the floor should be thoroughly flushed with water to remove all slipperiness.

6.4 Reference to others sections:

See sections 8 and 13



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Section 7. Handling and Storage

7.1 Precautions for safe handling:

7.1.1. Protective measures:	Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting.
7.1.2. Advice on general occupational hygiene:	Do not to eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures/ Precautions

Keep the products dry and in closed containers.

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 and respirable crystalline silica).

The ACGIH OEL (Occupational Exposure Limit) for talc containing no asbestos fibres and less than 1% crystalline silica is 2 mg/m³ measured as an 8 hours TWA (Time Weighted Average).

For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

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, 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:

8.2.2.1 Eye protection:

Wear safety glasses with side-shields in circumstances where there is a risk of dust generation which could lead to mechanical irritation of the eye.



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	8.2.2.2.	Skin protection:		
		No specific requirement. For hands, see below		
		Hand protection:		
		Protective gloves are not necessary but recommended for those prone to skin irritation or dryness.		
	8.2.2.3.	Respiratory protection:		
		In case of prolonged overexposure to high airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of national legislation. The use of half or full face masks with filters against particles of category 2 or 3 (FP2 – FP3) is recommended; follow the recommendations of MSHA/NIOSH or OSHA/NIOSH.		
	8.2.3 Environmental exposure controls			
Avoid wind dispersal				
Section 9. Physical and Chemical Properties				
9.1	Information on basic physical and chemical properties			
	Appearance:	White, off white to light grey powder		
	Odour:	Odourless		
	Odour threshold:	Not applicable		
	pH	8.5-9.0 (10% wt in water dispersion)		
	Melting point:	>1300°C		
	Boiling point:	not applicable (solid with a melting point > 1300°C)		
	Flash point:	not applicable (inorganic solid with a melting point > 1300°C)		
	Evaporation rate:	not applicable (solid with a melting point > 1300°C)		
	Flammability (solid, gas):	Not flammable.		
	Explosive limits:	Not explosive. (void of any chemical structures commonly associated with explosive properties). Limits do not apply.		
	Vapour pressure:	not applicable (solid with a melting point > 1300°C)		
	Vapour density:	not applicable		
	Relative density:	2.7 – 2.8 g/cm ³		
	Solubility (ies):			



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		Solubility in water:	Negligible
		Solubility in hydrofluoric acid:	Yes
		Partition coefficient:	not applicable (inorganic substance)
		Auto-ignition temperature:	not auto flammable
		Decomposition temperature:	>1000°C
		Viscosity:	not applicable (solid with a melting point > 1300°C)
		Explosive properties:	no explosive properties predicted from the structure
		Oxidising properties:	no oxidising properties predicted from the structure
		Particle characteristics:	Sedigraph 5120-D50 range (µm): 0.5 to 15

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 reaction.
10.4	Conditions to avoid:	none
10.5	Incompatible materials:	none known
10.6	Hazardous decomposition products:	none

Section 11. Toxicological Information

11.1 Information on toxicological effects

	Toxicity endpoints	Outcome of the effects assessment
	Acute toxicity	Talc is not acutely toxic. Oral LD ₅₀ > 5000 mg/kg bw (Weir, 1974) Dermal no data available Inhalation no data available
	Skin corrosion/irritation	Talc is not irritating to skin (<i>in vivo</i> , OECD 404, rabbit). Classification for Irritation/corrosion is not warranted
	Serious eye damage/irritation	No data available



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	Respiratory or skin sensitization	No data available
	Germ cell mutagenicity	<p>Talc is not genotoxic (in vitro study results OECD 471)</p> <p>From the strains tested talc appears to have no mutagenic effects</p> <p>Classification for mutagenicity is not warranted.</p>
	Carcinogenicity	<p>IARC: inhaled talc not containing asbestos or asbestiform fibres is not classifiable as to its carcinogenicity (Group 3), IARC Monograph Volume 93, 2010.</p> <p>In 2006, IARC concluded that inhaled talc not containing asbestos or asbestiform fibres is not classifiable as a human carcinogen (Group 3). IARC ruled that there is limited evidence that the use of talc-based body powder for perineal dusting is a possible risk factor for ovarian cancer (Group 2B). This is not a route of exposure relevant to workers and applies only to one specific use of talc.</p> <p>Classification for carcinogenicity is not warranted.</p> <p>OSHA: not listed</p> <p>ACGIH: A4 – not classified as a human carcinogen</p> <p>WHMIS: class D-2A: very toxic material causing other toxic effects [reference: NTP, <i>Technical report on the toxicological and carcinogenesis studies of talc (cas no. 14807-96-6) in F344 rats and B6C3F1 mice (inhalation studies)</i>. Technical report series, No. 421. Research Triangle Park, N.C.: EPA (1993)]. Chronic toxic effect: impaired pulmonary function in rats at 6 mg/m³.</p>
	Reproductive toxicity	<p>No data available</p> <p>Oral exposure to talc has no effect on the development of the foetus, or maternal, or foetal survival (OECD 414, rabbit)</p>
	STOT Single exposure	No data available



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	STOT Repeated exposure	<p>No organ toxicity observed in repeated dose toxicity tests</p> <p>Oral: no adverse effect observed in animal study (Wagner JC et al., 1977)</p> <p>Inhalation: no classification for Specific Target Organ toxicity by inhalation upon repeat dose exposure is warranted. Any health effects are likely to be non-specific particle effects rather than a specific intrinsic fibrogenic activity of the mineral.</p> <p>Dermal: toxicity via the dermal route is not considered as relevant.</p> <p>Therefore, classification of talc for toxicity upon prolonged exposure by oral route, by dermal route or inhalation is not warranted.</p>
	Aspiration hazard	No aspiration hazard envisaged

Section 12. Ecological Information

12.1	Toxicity:	No data available. No specific adverse effects known.
12.2	Persistence and degradability:	No data available. Products are inorganic substances and therefore are not considered biodegradable.
12.3	Bioaccumulative potential:	Not relevant for inorganic substances
12.4	Mobility in soil:	Negligible
12.5	Results of PBT and vPvB assessment:	Not relevant
12.6	Other adverse effects:	No other adverse effects are identified.

Section 13. Disposal Considerations

13.1	Waste treatment methods
	Disposal of these products should be in accordance with local and national legislation
	Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.
	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 authorized waste management company.
	Recycling and disposal of packaging should be carried out in compliance with local regulations.



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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 applicable
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
14.8	US Department of Transportation (DOT):	Not classified
14.9	Canadian Transportation of Dangerous Goods:	Not classified
14.10	Harmonized Tariff Code:	Talc crushed or powdered. 2526.20.00 (stat suffix 00).
14.11	EPA TSCA 12(B) Export Notification:	Not listed

Section 15. Regulatory Information

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

National legislation/requirements:

The ACGIH OEL (Occupational Exposure Limit) for talc containing no asbestos fibres and less than 0.1% crystalline silica is 2 mg/m³ measured as an 8 hours TWA (Time Weighted Average).

	Industrial Safety and Health Law.	These products do not contain harmful or controlled hazardous substances under ISHL.					
		Contains <0.1% of RCS.					



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Toxic Chemical Control Act.	These products do not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.
Dangerous Substance Management Law.	These products do not contain chemical substances regulated under DSML.
Waste Management Law.	Ensure to dispose 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:

		EU	Australia	Canada	Korea	Japan	China	Philippines	USA	Switzerland	New Zealand
	CAS No.	EINECS	AICS	CEPA (DSL/NDSL)	KECI Korean Gazette No.	ENCS ISHL/MITI	IECSC	PICCS	TSCA	Swiss ID No.	NZIoC
Talc	14807-96-6	238-877-9	yes	yes (DSL)	KE-32773	yes*	yes	yes	yes	G-6939	yes

Yes*: There exists a broad category for naturally occurring chemicals, so these minerals are covered by definition, but not specifically listed.

15.2 Chemical safety assessment

Exempted from REACH registration in accordance with Annex V.7. of Regulation (EC) 1907/2006

15.3 Other pertinent classification/regulations:

California PROP 65 Status:	No chemicals included in the Proposition 65 are present/added.
State Right-To-Know:	Talc is listed in Illinois, Massachusetts, New Jersey, Pennsylvania and Florida
Clean Air Act – Ozone depleting chemicals (ODC):	None
CONEG Approved Packaging:	Yes
National Fire Protection Association (NFPA) Rating (0-4 scale):	Health = 0 Fire = 0 Reactivity = 0
National Paint and Coating Association (NPCA) – Hazardous Material Identification System (HMIS)	Health: 1 (chronic potential) Flammability: 0 Physical: 0 Person protection: dust respirator, safety glasses or goggles, gloves.



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Section 16. Other Information

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

Date of previous issue: January 2021

16.1 Revision details:

Contains below 1% of RCS

16.2. Abbreviations

LD50: Medial lethal dose

PBT: Persistent bioaccumulative toxic

vPvB: Very persistent very bioaccumulative

OEL: Occupational exposure level

SDS: Safety data sheet

STOT: Specific target organ toxicity

16.3. Key literature references

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., Cahrssen, 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. 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.
6. 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.
7. IARC Monographs on the Evaluation of Carcinogenic Risks to Humans Volume 93 (2010) Carbon Black, Titanium Dioxide, and Talc



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16.4. Relevant H-statements

None.

Disclaimer

This safety data sheet (SDS) complements the technical data sheets but does not replace them. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.

Only the original English version is authoritative.

End of the Safety Data Sheet
