Safety Data Sheet (SDS)

Revision 1 / Review Date: 3/30/2020

1. Chemical Product and Company Identification

Product Name:	BT 2203 & BT 2207
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Not available
Technical Name:	Talc
Synonyms:	steatite, soapstone.
Molecular Formula:	3Mg0.4Si02.H20
Molecular Weight via GPC, Mn:	Not available
Product Use:	Process Aids, Functional mineral for use in paper, paints, ceramics, plastic, personal care, food.
OSHA Status:	Not available
CAS No:	14807-96-6
REACH Registration No:	Exempted in accordance with Annex V.7 .

For emergency health, safety, and environmental information, calls 330-920-8023
For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

GHS Classification:	No classification.
Label element:	
Pictogram:	None.
Signal word:	None.
Hazard statement:	None.
Precautionary statements:	None.
Other hazards:	None.

3. Composition / Information on Ingredients

Main constituents:	Talc is a substance of Unknown or Variable composition, Complex reaction products or Biological materials.

Talc CAS 14807-96-6 EC 238-877-9 Concentration Range WT% 100%

Classification according to REG (EC) 1272/2008 Not Classified.

Impurities:	Not applicable. The purity of the product is 100% w/w. The product contains below 1 %(w/w) fine fraction of quartz (CAS : 14808-60-7)

4. First Aid Measures

Inhalation:	No special first aid measures. Remove to fresh air and get medical attention in case of serious respiratory problems.
Eyes:	Rinse with copious quantities of water and seek medical attention if irritation persists.
Skin:	No special first aid measures necessary. Usually of no general concern; broken skin can be cleansed with mild soap and water; if irritation or redness develops and persists, seek medical attention.
Ingestion:	No first aid measures required.
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 breath due to upper Respiratory tract irritation

5. Fire-Fighting Measures

Suitable Extinguishing Media:	All extinguishing media can be used
Unsuitable extinguishing media:	No restriction on the extinguishing media to be used.
Special Fire Fighting Procedures:	the products are not flammable, combustible or explosive. No hazardous thermal decomposition.
Advice for fire-fighters:	No specific fire-fighting protection is required. Use an Extinguishing agent suitable for the surrounding fire.

6. Accidental Release Measures

Steps to be taken in case material is spilled:	Avoid airborne dust generation. If the generation of dust is likely, personal protective equipment should be worn in compliance with national legislation. Dry product should be cleaned with a shovel or vacuum cleaner 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.
Environmental Disposal Information:	No special requirements. Contain spillage and clean up as Indicated above.
Waste Disposal:	Reclaim or dispose of in accordance with local, state, and federal regulations.

7. Handling and Storage:

Empty Containers:	Not available.
Precautions to be taken in handling:	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.
Storage:	Keep the product dry and in closed containers.

8. Exposure Controls / Personal Protection

Exposure Controls:	Follow workplace regulatory exposure limits for all types of airborne dust. For the national regulations about the Occupational Exposure Limit (OEL) of talc powder. Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operation generate dust, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.
Respiratory Protection:	In case of prolonged overexposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of national legislation.
Ventilation:	If current ventilation practices are non-adequate in maintaining airborne concentrations of talc below the TLV (see also point 15 of the present document), additional ventilation or local exhaust systems may be required.

Hand Protection:	Protective gloves are not necessary but recommended for those prone to skin irritation or dryness.
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.
Skin and Body Protection:	Wear impervious clothing.
Environmental exposure controls:	Avoid wind dispersal

9. Physical and Chemical Properties

Physical Form:	Solid
Appearance & Odor:	White, off white to light grey powder/ Odorless.
Specific Gravity:	Not available.
pH – suspension of 10% of talc in water:	8.5 – 9.0 (10% wt in water dispersion)
Softening Point, R&B:	Not available.
Solubility in Water:	Negligible
Melting Point:	>1300°C
Flash Point:	not applicable (inorganic solid with a melting point > 1300 C
Percent Volatiles (by weight):	Not available.
Evaporation Rate (Water ~ I):	Not available.
Vapor Pressure (mm Hg):	Not available.
Relative density:	2.7 - 2.8 g/cm3
Vapor Density (Air ~ I):	Not available.
Boiling Point (^{o}F) Initial:	Not available.
Auto ignition Temperature, ^{o}C:	Not available.
Decomposition temperature:	>1000°C
Flammable Limits, %(V):	Not flammable or explosive.

10. Stability and Reactivity

Stability:	This product is stable under normal conditions.
Incompatibility (Materials to Avoid):	None known.
Conditions to Avoid:	None

Hazardous Polymerization:	None.

11. Toxicological Information

Information on toxicological effects.

Toxicity endpoints	Outcome of the effects assessment
Acute toxicity	Talc is not acutely toxic. Oral LD50 > 5000 mg/kg bw (Weir, 1974) Dermal no data available Inhalation no data available
Skin corrosion/irritation	Talc is not irritating to skin (in vivo, OECD 404, rabbit). Classification for Irritation/corrosion is not warranted
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Talc is not genotoxic (in vitro study results OECD 471) From the strains tested talc appears to have no mutagenic effects Classification for mutagenicity is not warranted.
Carcinogenicity	IARC: inhaled talc not containing asbestos or asbestiform fibers is not classifiable as to its carcinogenicity (Group 3), IARC Monograph Volume 93, 2010. In 2006, IARC concluded that inhaled talc not containing asbestos or asbestiform fibers 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. Classification for carcinogenicity is not warranted.
OSHA:	not listed
ACGIH: A4 –	not classified as a human carcinogen
WHMIS: class D-2A:	very toxic material causing other toxic effects [reference: NTP, Technical report on the toxicological and carcinogenesis studies of talc (cas no. 14807-96-6) in F344 rats bd B6C3F1 mice (inhalation studies). Technical report series, No. 421. Research Triangle Park, N.C.: EPA (1993)]. Chronic toxic effect: impaired pulmonary function in rats at 6 mg/m3.
Reproductive toxicity	No data available Oral exposure to talc has no effect on the development of the foetus, or maternal, or foetal survival (OECD 414, rabbit)

STOT Single exposure	No data available
STOT Repeated exposure	No organ toxicity observed in repeated dose toxicity Tests Oral: no adverse effect observed in animal study (Wagner JC et al., 1977) 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 fibro genic activity of the mineral. Dermal: toxicity via the dermal route is not considered as relevant. Therefore, classification of talc for toxicity upon prolonged exposure by oral route, by dermal route or inhalation is not warranted.
Aspiration hazard	No aspiration hazard envisaged

12. Ecological Information

Toxicity:	No data are available on this product. No specific adverse effects known.
Persistence and degradability:	No data are available on this product. Product is an inorganic substance and therefore is not considered biodegradable.
Bioaccumulative potential:	Not relevant for inorganic substance.
Mobility in soil:	Negligible.
Results of PBT and vPvB assessment:	Not relevant.
Other adverse effects:	No specific adverse effects known.

13. Disposal Considerations

Waste from residue/unused products:	Not a hazardous waste. Where possible, recycling is preferable to disposal; may 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 authorized waste management company. Recycling and disposal of packaging should be carried out in compliance with local regulations.

14. Transport Information

D.O.T. Shipping Name:	Not regulated.
Air - ICAO (international Civil Aviation Organization):	Not regulated.
Canadian Transportation of Dangerous Goods:	Not regulated.
Sea - IMDG (International Maritime Dangerous Goods):	Not classified.
UN number:	Not relevant.
UN proper shipping name:	Not relevant.
RID/ARD (Int. Regulation of Transport. Classification):	Not classified
HS-code (Customs Tariff code):	252620 (TALC POWDER)
BC Code (Code of Safe Practice for Solid Bulk Cargoes):	Not hazardous.
Packaging group:	Not applicable.
Environmental hazards:	Not relevant.
Special precautions for user:	No special precautions.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:	Not relevant.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

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

National legislation/requirements:
The ACGIH OEL (Occupational Exposure Limit) for talc containing no asbestos fibers and less than 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 <1% silica.

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 Zeland
	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.

California Proposition 65 Status: Talc is not listed.

State Right-to-Know: Talc is listed in Illinois, Massachusetts, New Jersey, and Pennsylvania and Florida

Clean Air Act — ODC's: 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 googles, gloves.

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.