

1. Product and Company Identification**Name of the product:** CorPak Dual Comfort**Product Codes:**

ACC-550

ACC-551

ACC-552

Recommended use: to provide hot or cold therapy**Producer:** Core Products International Inc.**Prepared by:** Monique R. Tretsven**Emergency no.** 1-800-365-3047**Fax no.** 715-294-2622**Chemical name:** Bentonite**Chemical Family:** mineral (Naturally occurring hydrated aluminosilicate of sodium, calcium, magnesium, and iron).**Chemical Application:** Additive**OSHA Hazard Classification:** N/A (only in raw form (granules/dust) prior to this application. This product contains a small amount of quartz that may cause delayed respiratory disease if inhaled over prolonged period of time (excessive occupational exposure). See: 1974 NIOSH criteria for a recommended Standard for Occupational Exposure to Crystalline Silica for more detailed information.)**Chemical name:** Propylene Glycol USP**Synonyms:** PG; Methyl ethylene glycol; 1,2 dihydroxypropane**Chemical Family:** Glycols**Chemical Application:** Sol, Carrier, Intermediate.**OSHA Hazard Classification:** this product is not considered to be hazardous under OSHA 29 CFR 1910.1200.**Non-Hazardous components:** **Polyester-** Patch tests and USP biocompatibility testing of the fabric component of this product (white or dyed polyester or polyester/cellulosic fabric) show no adverse health effects. **Polyolefin Film-** the inner liner (polyolefin film) of this product is considered non-hazardous and complies with Federal Food, Drug, and Cosmetic Act as a food contact substance (FCN) as described in U.S. FDA Table 2 of 21 CFR 176.170 **Elastic-** black latex-free: elastic fabric in non-hazardous and presents no known health hazards. **Hook and Loop Fastener-Synonyms-Velcro-** hook and loop fasteners are not considered as hazardous. **Water Based Screen Printing Ink-** there are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200**2. Hazard(s) identification****Emergency Overview:** this product will not exert a significant adverse effect to health from any route of exposure. This product has no known or reported interactions or aggravated medical conditions in its present form.**Routes of Entry:** N/A**Potential health effects:** N/A**Eyes:** N/A. Only in a raw form (granules/dust) prior to this application.**Skin:** N/A. Only in a raw form (granules/dust) prior to this application.**Ingestion:** N/A. Only in a raw form (granules/dust) prior to this application.**Inhalation:** N/A. Only in a raw form (granules/dust) prior to this application.**Acute/Chronic health Hazards:** N/A. Only in a raw form (granules/dust) prior to this application. Nuisance dust. Avoid high dust concentrations. Minimize contact with eyes, skin, and clothing. (Only in raw form (granules/dust))**Medical conditions generally aggravated by exposure:** N/A. (Only in raw form (granules/dust)).

This product contains a small amount of Quartz that may cause delayed respiratory disease if inhaled

over a prolonged period of time (excessive occupational exposure). See 1974 NIOSH Criteria for a recommended Standard for Occupational Exposure to Crystalline Silica for more information.

Carcinogenicity**OSHA:** N/A**ACGIH:** N/A**NTP:** N/A**IARC:** N/A

Section 2 notes: Patch test and USP biocompatibility testing of the fabric component of this product (white or dyed polyester/cellulosic fabric) show no adverse health affects. The inner liner (Polyefin film) of this product is considered non-hazardous and complies with federal food, drug, and Cosmetic Act as a food contact substance (FCN) as described in U.S. FDA Table 2 of 21 CFR 176.170©.

3. Composition / Information on ingredients**Chemical name:** Bentonite

Composition comments Bentonite contains naturally occurring crystalline silica (not listed in Annex I of Directive 67/548/EEC) in quantities less than 6%. Occupational Exposure Limits for impurities are listed in Section 8.

| <u>Component</u> | <u>CAS # Range</u> | <u>% by Wt.</u> |
|------------------|--------------------|-----------------|
| Propylene Glycol | 57-55-6 | 99% minimum |
| Bentonite | 1302-78-9 | 60-100% |

4. First-aid measures

Eyes: Flush eyes immediately with copious amounts of water. If irritation persists seek medical attention.

Notes to physicians or first aid providers: Flush eyes immediately with copious amounts of water. If irritation persists seek medical attention.

Section 3 notes: None.

5. Firefighting measures

Flammable limits in air, Upper: N/A (%by Volume) **Lower:** N/A

Flash Point: N/A

Method Used: N/A

Extinguishing Media: Multi-purpose fire extinguisher marked A-B-C.

Special Fire Fighting Procedures: use normal fire-fighting equipment and personal protective equipment.

Unusual fire and exposure hazards: N/A

Hazardous Decomposition Products: N/A

Section 5 notes: none.

6. Accidental release measures

Accident Release measures: N/A

Section 6 notes: none.

7. Handling and storage

Precautions for safe handling: do not overheat; may cause pack to leak. Discard pack if leak develops. See instructions for use for heating directions.

Conditions for safe storage, including incompatibilities: Prior to initial use store in cool, dry place

8. Exposure controls / personal protection

Information on the system design: None

Exposure Limits: N/A. Applicable prior to this application only.

Ventilation: N/A. Applicable prior to this application only.

Respiratory protection: N/A. Applicable prior to this application only.

Eye protection: N/A. Applicable prior to this application only.

Skin protection: N/A. Applicable prior to this application only.

9. Physical and chemical properties**Physical state:****Color:** buff or pail grey**Odor:** odorless**Melting point:** N/D**Freezing Point:** N/D**Vapor pressure:** N/D**Vapor density:** N/D**10. Stability and reactivity****Stable****Unstable****Stability:****X****Conditions to avoid (stability):** none**Incompatibility (material to avoid):** N/D**Hazardous Decomposition or by-products:** none**Hazardous Polymerization:** Will not occur.**Conditions to avoid (Polymerization):** none**11. Toxicological information****Chemical name:** Bentonite**Chemical Family:** mineral (Naturally occurring hydrated aluminosilicate of sodium, calcium, magnesium, and iron).**Acute effects:** mild irritant to eyes

Chronic effects: In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risk of chemicals to humans, Silica, Silicates dust and organic fibers, 1997, Vol. 68, IARC, Lyon, France.)

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis.

"There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003)

According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

Carcinogenicity**IARC Monographs: Overall evaluation**

QUARTZ (14808-60-7) 1 Carcinogenic to humans.

Chemical name: Propylene Glycol USP**Synonyms:** PG; Methyl ethylene glycol; 1,2 dihydroxypropane**Chemical Family:** Glycols**Acute Toxicity Data:**

EYE IRRITATION (rabbit): Slight.

SKIN IRRITATION (rabbit): None.

SKIN SENSITIZATION (human): Slight.

DERMAL LD₅₀: 20.8 g/kg (rabbit)

ORAL LD₅₀: 15.7 - 19.2 g/kg (rabbit)

INHALATION LC₅₀: 65.8 ppm/8 hours (rabbit)

Other Toxicity Data: High concentrations of propylene glycol in water when held in contact with human skin under closed conditions have been reported to cause skin irritation (Cosmetics and Toiletries 99:83-91, 1984). The authors attribute the observations to a sweat retention reaction by skin. No reactions were observed in open patch tests with human subjects.

12. Ecological Information

Chemical name: Bentonite

Product Test Results:

AEG® GRANULAR (1302-78-9)- LC50 Fish: 19000 mg/l 96.00 Hours estimated

Components Test Results:

BENTONITE (1302-78-9)- LC50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*): 19000 mg/l 96.00 Hours

* Estimates for product may be based on additional component data not shown.

Ecotoxicity: This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. The product is not expected to be hazardous to the environment.

Environmental effects: Based on the physical properties of this product, significant environmental persistence and

bioaccumulation would not be expected.

Persistence and degradability Not available.

Chemical name: Propylene Glycol USP

It has the following properties: a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to persist in the environment, and a low potential to bio-concentrate. It is expected to have the following properties: a low potential to affect secondary waste treatment microbial respiration, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination and/or early growth of some plants, a low potential to affect the growth of some plant seedlings, a high potential to biodegrade (low persistence)

Written By: J. Geils: with un-acclimated microorganisms from activated sludge. After dilution with a large amount of water, followed by secondary waste treatment, this material is not expected to cause adverse environmental effects.

13. Disposal considerations

Chemical name: Bentonite

Dispose in accordance with all applicable regulations. Material should be recycled if possible.

Chemical name: Propylene Glycol USP

Discharge, treatment, or disposal may be subject to national, state, or local laws.

14. Transport information

Chemical name: Bentonite

TDG: Not regulated as dangerous goods.

Chemical name: Propylene Glycol USP

U.S. Department of Transportation: Not regulated.

International Information:

Sea (IMO/IMDG) Status: Not regulated.

Air (ICAO/IATA) Status: Not regulated.

Canadian (TDG) Status: Not regulated.

15. Regulatory information**Chemical name:** Bentonite**WHMIS classification:** D2A - Other Toxic Effects-VERY TOXIC**WHMIS labeling****WHMIS status:** Controlled**Inventory status**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|-------------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of New and Existing Chemicals (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Chemical name: Propylene Glycol USP**CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4):** Not reportable.**SARA Title III Section 302/304 Extremely Hazardous Substances (40 CFR Part 355):** Not regulated.**SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370):** Not applicable.**SARA Title III Section 313 (40 CFR Part 372):** None.**U.S. Inventory (TSCA):** Listed.**Carcinogenicity Classification:** Not listed by ACGIH, IARC, NTP, or OSHA.**EC Inventory (EINECS/ELINCS):** Listed (No. 2003380).**Japan Inventory (MITI):** Listed.**Australia Inventory (AICS):** Listed.**Canada Inventory (DSL):** Listed.**California Safe Drinking Water and Toxic Enforcement Act of 1988- Proposition 65:** Not listed.**California (SCAQMD) Rule 443.1 (VOC's):** Listed.**Massachusetts Substance List:** Not listed.**New Jersey Registration:** Not applicable.**Pennsylvania Hazardous Substances List:** Propylene Glycol.**16. Other information****Chemical name:** Bentonite

Recommended restrictions: Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

Further information: This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

NFPA ratings: Health: 1, Flammability: 0, Instability: 0

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a

guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

Chemical name: Propylene Glycol USP

This product meets the requirements for Propylene Glycol as described in the current United States Pharmacopeia. This product meets the requirements for Propylene Glycol as described in the current Food Chemical Codex. Kosher Certification: This product is certified Kosher. This material safety data sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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