



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name POLARGEL® UV 1416
Version # 01
Revision date 27-April-2009
Chemical name Water, Bentonite, Picea Excelsa Wood Extract, Sodium Polyacrylate, Titanium Dioxide, Xanthan Gum
CAS # Mixture
Company AMCOL Health & Beauty Solutions
301 Laser Lane
Lafayette, LA 70507 US
safetydata@amcol.com
<http://www.healthbeautysolutions.com/>
General Information (800) 261-8032
Emergency (800) 424-9300

2. Hazards Identification

Emergency overview Some of the components of this product are hazardous in the respirable form. However, because of the physical nature of this product, dust generation is not expected.

Potential health effects

Eyes Avoid contact with eyes. Contact may irritate or burn eyes.
Skin Health injuries are not known or expected under normal use. Not expected to be a primary skin irritant.
Inhalation Health injuries are not known or expected under normal use.
Ingestion Do not ingest. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

3. Composition / Information on Ingredients

Components	CAS #	Percent
TITANIUM DIOXIDE	13463-67-7	10 - 20
Non-hazardous and other components below reportable levels		80 - 90

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses, if present and easy to do.
Skin contact Rinse skin with water. Get medical attention if irritation develops or persists.
Inhalation Move to fresh air. If symptoms persist, get medical attention.
Ingestion Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, seek medical attention.

Notes to physician Provide general supportive measures and treat symptomatically.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media Dry chemical, CO₂, water spray or regular foam.

Protection of firefighters

Protective equipment and precautions for firefighters Use water spray to cool unopened containers.

Hazardous combustion products Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Personal precautions	Local authorities should be advised if significant spillages cannot be contained. Material can be slippery when wet
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Sweep up or gather material and place in appropriate container for disposal. Following product recovery, flush area with water.

7. Handling and Storage

Handling	Avoid contact with eyes. Avoid letting the product become dry.
Storage	Keep in a cool, well-ventilated place. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components	Type	Value
TITANIUM DIOXIDE (13463-67-7)	TWA	10 mg/m ³

U.S. - OSHA

Components	Type	Value	Form
TITANIUM DIOXIDE (13463-67-7)	PEL	15 mg/m ³	Total dust.
	TWA	10 mg/m ³	Total dust.

Exposure guidelines Some of the components of this product are hazardous in the respirable form. However, because of the physical nature of this product, dust generation is not expected.

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection	Safety glasses.
Skin protection	Normal work clothing (long sleeved shirts and long pants) is recommended. Wear protective gloves. Applicable for industrial settings only.
Respiratory protection	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
General hygiene considerations	Use good industrial hygiene practices in handling this material.

9. Physical & Chemical Properties

Appearance	Liquid.
Color	Off-white to tan.
Odor	Not available.
Odor threshold	Not available.
Physical state	Liquid.
Form	semi-viscous liquid
pH	7.5 - 8.5
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.

Vapor density	Not available.
Specific gravity	Not available.
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

11. Toxicological Information

Toxicological data

Components	Test Results
TITANIUM DIOXIDE (13463-67-7)	Acute Oral LD50 Rat: 10000.0001 mg/kg

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

Carcinogenicity Risk of cancer cannot be excluded with prolonged exposure.

IARC Monographs on Occupational Exposures to Chemical Agents: Overall evaluation

TITANIUM DIOXIDE (13463-67-7) 2B Possible carcinogen.

US ACGIH Threshold Limit Values: A4 carcinogen

TITANIUM DIOXIDE (13463-67-7) Group A4 Not classifiable as a human carcinogen.

12. Ecological Information

Ecotoxicological data

Components	Test Results
TITANIUM DIOXIDE (13463-67-7)	EC50 Water flea (Daphnia magna): > 1000 mg/l 48.00 Hours LC50 Mummichog (Fundulus heteroclitus): > 1000 mg/l 96.00 Hours

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

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	Not available.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Inventory status

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

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

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

TITANIUM DIOXIDE (13463-67-7) Listed.

16. Other Information**Further information**

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

HMIS ratings**NFPA ratings**

Health: 2
 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.

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27-April-2009

Other information

AMCOL Health & Beauty Solutions, Inc., is an AMCOL International company.