

MATERIAL SAFETY DATA SHEET

Degussa Corporation
Performance Products Group

24 Hour Emergency Number: 703-527-3887
24 Hour CHEMTREC Number: 800-424-9300

29014
Rev
29015

Approval Date: April 12, 2001
Print Date: March 23, 2002

Cust: 41673002

Page: 1

MSDS Number: DHC1003 01-36

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : AEROSIL® 200

Supplier/Manufacturer:

Degussa Corporation
379 Interpace Parkway
Building C
P.O. Box 677
Parsippany, NJ 07054-0677
Product Information: 800-334-8772

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

	CAS Number	% (Wt./Wt.)
Silicon dioxide, amorphous, fumed, crystalline free	112945-52-5	100

See Section 8 for Exposure Guidelines

OSHA Regulatory Status::

This material is classified as hazardous under OSHA regulations.

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***:

Dust may be irritating to respiratory tract.

POTENTIAL HEALTH EFFECTS

Eye Contact:

Possibly irritating.

Skin Contact:

May cause drying of the skin.

Inhalation:

Temporary discomfort to upper respiratory tract may occur due to mechanical irritation when exposures are above the occupational exposure limit.

Ingestion:

No hazard expected in normal use.

3. HAZARDS IDENTIFICATION (CONTINUED)

General:

Medical conditions which may be aggravated by exposure to this product include: Conjunctivitis of the eye, dermatitis of the skin, asthma and respiratory diseases.

4. FIRST AID MEASURES

FIRST AID

Eye Contact:

In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

Skin Contact:

Flush skin with plenty of water. Remove contaminated clothing. Obtain medical attention if irritation develops or persists.

Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

Ingestion:

Not applicable; not an expected route of exposure.

5. FIRE FIGHTING MEASURES

Flash Point: Not Determined

Flash Point Method: Not determined

Lower Explosive Limit: Not determined

Upper Explosive Limit: Not determined

OSHA Flammability Classification: None

Autoignition Temperature: Not Determined

Other Flammable Properties:

Material will not burn.

Extinguishing Media:

Use water spray or fog, foam, dry chemical or CO2.

Fire Fighting Procedures:

Fire fighters must wear positive pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil. Use personal protective equipment as described in Section 8. Shovel spilled material into a suitable container.

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Use with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Take precautionary measures against static discharges.

Storage:

Store in a cool, dry place. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

	Value	Limit	Reference
Silicon dioxide, amorphous,	6 mg/m ³	TWA	OSHA
fumed, crystalline free	10 mg/m ³	TWA	ACGIH
	N.E.	STEL	OSHA/ACGIH

Engineering Controls:

Use adequate ventilation.

Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Eye Protection:

Wear safety glasses with side shields.

Skin Protection:

Use impermeable gloves.

Other Protective Equipment:

A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment requirements, it is recommended that a hazard assessment be conducted before using this product.

Product Name: AEROSIL® 200

Approval Date: April 12, 2001

Cust: 41673002

Page: 4

Print Date: March 23, 2002

MSDS Number: DHC1003 01-36

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure : Not available
Vapor Density (Air = 1) : Not applicable
Specific Gravity : ~2.2g/ml
Boiling Point : Not available
Melting Point : 1700°C
pH @ 40.0% : 3.7-4.7susp
Evaporation Rate : Not applicable
Molecular Weight : 60
Molecular Formula : SiO2
Solubility In Water : 0.15 g/l

Other Properties:

White. Powder. Odorless.

10. STABILITY AND REACTIVITY

Stability:

This product is stable under normal storage conditions.

Hazardous Polymerization:

Will not occur under normal conditions.

Conditions To Avoid:

Operations that create dust. Decomposition temperature: above 2000°C.

Incompatibility With Other Materials:

Not Applicable.

Hazardous Decomposition Products:

No known hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

Product Toxicological Information:

Oral LD50 (rat): >10000 mg/kg

Dermal LD50 (rabbit)>5000 mg/kg

12. ECOLOGICAL INFORMATION

No product ecological data available

13. DISPOSAL CONSIDERATIONS

Disposal Method:

Waste must be disposed of in accordance with federal, state, provincial and local regulations.

14. TRANSPORT INFORMATION

U.S. DOT Transport Information

Not regulated

15. REGULATORY INFORMATION

This product contains the following non-hazardous components:

No non-hazardous components exist

U.S. Federal Regulations

OSHA:

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

Clean Air Act Section 112:

This product contains the following components present at or above the OSHA de minimus level and listed as Hazardous Air Pollutants:

None

This product contains the following components present at or above the OSHA de minimus level and listed as Extremely Hazardous Air Pollutants:

None

SARA Section 302:

This product contains the following components listed as Extremely Hazardous Substances:

None

SARA Section 311/312:

Hazard Classifications: None

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

None

TSCA:

15. REGULATORY INFORMATION (CONTINUED)

This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

Other U.S. Federal Regulation Information:

A new CAS number, 112945-52-5, has been assigned to Amorphous Fumed Silica to distinguish it from crystalline silica. According to the EPA this product meets TSCA requirements and is listed on the TSCA Inventory as Silica, CAS # 7631-86-9.

State Regulations

New Jersey:

This product contains the following non-hazardous components subject to disclosure under New Jersey Right-To-Know legislation:

None

Pennsylvania:

This product contains the following non-hazardous components subject to disclosure under Pennsylvania Right-To-Know legislation:

None

Massachusetts:

This product contains the following substances on the Massachusetts Substance List:

None

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:

None

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

International Regulations

Summary of International Chemical Inventory Status

Canada	On inventory
Europe	On inventory
South Korea	On inventory
Australia	On inventory

Product Name: AEROSIL® 200
Approval Date: April 12, 2001
Print Date: March 23, 2002

Cust: 41673002
MSDS Number: DHC1003 01-36

16. OTHER INFORMATION

HMIS Ratings: Health - 1 Flammability - 0 Reactivity - 0
Ratings Key: 4 = Highest hazard, 0 = Lowest hazard,
 * = Chronic health hazard, N = No rating for powders
NFPA Ratings: Health - 1 Flammability - 0 Reactivity - 0
Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, N = No rating for powders

Key to abbreviations used:

NA Not applicable
NAV Not available
NE Not established
NJTSR No. New Jersey Trade Secret Registry Number
® Registered Trademark.

TM Trademark.

Revision Summary:

The following MSDS sections were revised since the previous version July 29, 1999:

The data contained herein are accurate to Degussa Corp.'s best knowledge and based on information that Degussa Corp. believes to be reliable. However, the data are furnished without representation, inducement, license of any kind or expressed or implied warranty with regard to accuracy of data or suitability for a given situation. Such data relate only to the specific products described and not to such product in combination with any other product. No agent of Degussa Corp. is authorized to vary any of such data. Degussa Corp. and its agents disclaim all liability for actions taken or forgone in reliance upon such data. Customers are advised to read the product label and to conduct their own tests before use of any product.

MSDS last page