



Material Safety Data Sheet

Celite 545

MSDS# 02895

Section 1 - Chemical Product and Company Identification

MSDS Name: Celite 545  
 Catalog Numbers: AC349670000, AC349670025, AC349675000  
 Synonyms: Calcinated diatomaceous earth, Diatomite

Company Identification: Acros Organics BVBA  
 Janssen Pharmaceuticaaan 3a  
 2440 Geel, Belgium

Company Identification: (USA) Acros Organics  
 One Reagent Lane  
 Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01  
 For information in Europe, call: +32 14 57 52 11  
 Emergency Number, Europe: +32 14 57 52 99  
 Emergency Number US: 201-796-7100  
 CHEMTREC Phone Number, US: 800-424-9300  
 CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

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CAS#: 68855-54-9  
 Chemical Name: Kieselguhr, soda ash flux-calcined  
 %: 100  
 EINECS#: 272-489-0

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Hazard Symbols: XN



Risk Phrases: 20 40

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Not available Target Organs: Lungs.

Potential Health Effects

Eye: May cause eye irritation.  
 Skin: May cause skin irritation. May be harmful if absorbed through the skin.  
 Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.  
 Inhalation: Harmful if inhaled. May cause respiratory tract irritation.  
 Chronic: Possible risk of irreversible effects.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated

clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

### Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Autoignition Temperature: Not available

Flash Point: Not available

Explosion Limits: Not available  
Lower:

Explosion Limits: Not available  
Upper:

NFPA Rating: NFPA Rating:

### Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

### Section 7 - Handling and Storage

Handling: Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Do not breathe dust.

Storage: Store in a cool, dry place. Store in a tightly closed container.

### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Kieselguhr, soda ash flux-calcined	none listed	none listed	none listed

OSHA Vacated PELs: Kieselguhr, soda ash flux-calcined: None listed

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Not available

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9 - Physical and Chemical Properties

Physical State: Powder

Color: white

Odor: odorless

pH: Not available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available  
Boiling Point: Not available  
Freezing/Melting Point: Not available  
Decomposition Temperature: Not available  
Solubility in water: Negligible

Specific Gravity/Density:

Molecular Formula: O2Si

Molecular Weight: 60.08

#### Section 10 - Stability and Reactivity

Chemical Stability:	Stable.
Conditions to Avoid:	Dust generation.
Incompatibilities with Other Materials	Not available
Hazardous Decomposition Products	None.
Hazardous Polymerization	Will not occur.

#### Section 11 - Toxicological Information

RTECS#:	CAS# 68855-54-9: None listed
LD50/LC50:	RTECS: Not available.
Carcinogenicity:	Kieselguhr, soda ash flux-calcined - IARC: Group 3 (not classifiable)
Other:	The toxicological properties have not been fully investigated.

#### Section 12 - Ecological Information

Not available

#### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

#### Section 14 - Transport Information

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

#### Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 20 Harmful by inhalation.

R 40 Limited evidence of a carcinogenic effect.

Safety Phrases:

S 36/37 Wear suitable protective clothing and gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 68855-54-9: Not available

Canada

CAS# 68855-54-9 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 68855-54-9 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 68855-54-9 is listed on the TSCA  
Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/14/2000

Revision #4 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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