



IMERYS

SAFETY DATA SHEET

Hydrite Flat DS

1. Identification

Product identifier

Product name Hydrite Flat DS
Chemical name Kaolin
CAS number 1332-58-7

Details of the supplier of the safety data sheet

Supplier Imerys
 618 Kaolin Road
 Sandersville, Georgia 31082

Emergency telephone number

Emergency telephone 1 (800) 424 9300 CHEMTREC
National emergency telephone number 1 478 553 5801

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

Label elements

Hazard statements NC Not Classified

Precautionary statements May cause damage to lungs through prolonged or repeated exposure via inhalation.
 Do not breathe dust.
 In case of inadequate ventilation, wear respiratory protection.
 Dispose of contents/containers in accordance with local regulations.

Supplemental label information Review the Safety Data Sheet for additional safety, health, environmental, transportation and classification information as it relates to this specific product and its ingredients.

Contains Kaolin (Hydrous), Titanium Dioxide

3. Composition/information on ingredients

Mixtures

Kaolin (Hydrous)	90-100%
CAS number: 1332-58-7	

Classification
 Not Classified

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Titanium Dioxide	0.1 - 2.9%
CAS number: 13463-67-7	
Classification	
Carc. 2 - H351	

The Full Text for all Hazard Statements are Displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation	Remove to fresh air, seek medical attention if necessary.
Ingestion	If ingested, give plenty of water and provide medical attention. Do not induce vomiting and never give water to an unconscious person.
Skin Contact	Wash with soap and water.
Eye contact	Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is non-combustible.

Special hazards arising from the substance or mixture

Hazardous combustion products None known.

Advice for firefighters

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Use proper respiratory and person protective equipment. MSHA/NIOSH or OSHA/NOISH respirator should be used if required to control personnel exposure to allowable levels. Spilled materials may cause slippery conditions when wet. Care should be exercised when walking on spills or floors or concrete pads. Avoid inhalation of dust.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Flush spilled material into an effluent treatment plant, or proceed as follows. Vacuum, pump or scoop spilled materials into containers for reclaim or disposal. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Reference to other sections See Section 11 for additional information on health hazards.

7. Handling and storage

Precautions for safe handling

Usage precautions Avoid generation and spreading of dust. Avoid inhalation of dust.

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Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool, dry location is recommended. Spilled materials may cause slippery conditions when wet. Care should be exercised when walking on spills or floors or concrete pads.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

Kaolin (Hydrous)

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

A4

Titanium Dioxide

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³

A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Titanium Dioxide (CAS: 13463-67-7)

Immediate danger to life and health 5000 mg/m³

Exposure controls

Appropriate engineering controls Use exhaust ventilation, if required, to maintain dust concentration below regulatory limits.

Eye/face protection Wear approved side shield safety glasses.

Hand protection Use general purpose gloves as necessary to protect against drying of skin in case of prolonged usage. Follow good hygiene practices to include washing hands with soap and water.

Hygiene measures Wash hands thoroughly after handling.

Respiratory protection If respirator use is required, use of a MSHA/NIOSH, OSHA/NIOSH approved respirator is recommended in compliance with applicable respiratory protection legislation.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance Powder.

Color White.

Odor Odorless

pH Aqueous suspension pH range is 5.0 to 8.0 depending on the specific product.

Melting point Not determined.

Initial boiling point and range Not applicable.

Flash point Not applicable.

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Evaporation rate	Not applicable.
Other flammability	Kaolin is not combustible.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Auto-ignition temperature	Not applicable.
Explosive under the influence of a flame	This product is not combustible or explosive.

10. Stability and reactivity

Reactivity	No specific reactivity hazards are associated with this product.
Stability	Stable under normal temperature conditions and recommended use.
Possibility of hazardous reactions	None known.
Materials to avoid	None known.
Hazardous decomposition products	None known.

11. Toxicological information

Information on toxicological effects

Toxicological effects This product is not toxic (oral, dermal, or inhalation).

Skin sensitisation

Skin sensitisation This product is not known to cause skin sensitization.

Carcinogenicity

Carcinogenicity

This product contains titanium dioxide, a naturally occurring impurity, in a concentration greater than 0.1%. In the IARC Monograph on the Evaluation of Carcinogenic Risk to Humans, Volume 93 published in 2010, IARC concluded that titanium dioxide is possibly carcinogenic to humans (Group 2B). Based on the IARC conclusion, this ingredient is classified as a Category 2 Carcinogen - (Warning - Suspected of Causing Cancer). IARC concluded that there is inadequate evidence of carcinogenicity in humans because there was no statistically significant increase in cancer in the human studies. In addition, the presence of lung tumors in test animals was only observed at extreme dust concentrations (250 mg/m³) that caused probable overloading and impairment to the rat lung, again in a highly sensitive test species. Therefore, titanium dioxide is listed as a Category 2 carcinogen in the ingredients section of this SDS although IMERYS does not classify this product as a carcinogen based on the entire weight of evidence associated with the TiO₂ epidemiology studies, because the naturally occurring titanium dioxide in this IMERYS product is not made from the sulfate and/or chloride product process which was used in the referenced animal studies, and because the extreme dust loading associated with the lifetime animal study is not realistic in the workplace.

12. Ecological Information

Ecotoxicity The product is not expected to be hazardous to the environment.

13. Disposal considerations

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Waste treatment methods

Disposal methods Disposal of waste material in accordance with all local, State, and federal requirements.

Waste class If the product becomes a waste material, under RCRA (40 CFR 261), as manufactured and shipped, it would be classified as a non-hazardous waste.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).

Transport hazard class(es)

Not regulated.

15. Regulatory information

Regulatory Status Kaolin is generally recognized as safe (GRAS) under the FDA in accordance with 21 CFR 186.1256. Additionally, kaolin is established as a component of the uncoated or coated food-contact surface of paper and paperboard in accordance with 21 CFR 176.170 (aqueous and fatty foods) and 21 CFR 176.180 (dry foods).

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

This product does not contain ingredients subject to the reporting requirement.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

No RQ Assigned

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

This product does not contain ingredients subject to the reporting requirement.

SARA 313 Emission Reporting

None of the ingredients in Section 3 are included in the SARA 313 Chemical List.

CAA Accidental Release Prevention

This product does not contain ingredients subject to the reporting requirement.

SARA (311/312) Hazard Categories

This product is subject to the reporting requirements of SARA 312 at a threshold quantity of 10,000 pounds. Acute / Delayed.

OSHA Highly Hazardous Chemicals

This product does not contain ingredients subject to the reporting requirement.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

This product contains trace levels of one or more naturally-occurring materials known to the State of California to cause cancer, birth defects, or other reproductive harm.

Massachusetts "Right To Know" List

Present

Rhode Island "Right To Know" List

Present

Minnesota "Right To Know" List

Present

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New Jersey "Right To Know" List

Present

Pennsylvania "Right To Know" List

Present

Inventories

Canada - DSL/NDSL

DSL

US - TSCA

Present

US - TSCA 12(b) Export Notification

This product does not contain substances subject to export notification under TSCA 12(b).

16. Other information

Revision date	5/15/2015
SDS No.	4530
Hazard statements in full	H351 Suspected of causing cancer.
ACA HMIS Health rating.	1
ACA HMIS Physical hazard rating.	0
ACA HMIS Personal protection rating.	E
ACA HMIS Flammability rating.	0

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