

Material Safety Data Sheet

Material Name: 2104 Osmo Opaque Gloss Wood Stain

*** Section 1 - Chemical Product and Company Identification ***

Part Number: 2104 Osmo Opaque Gloss Wood Stain white

Can Sizes: 0.375 L, 0.75 L, 2.5 L, 10L, 25L

Chemical Name: Oil-based, opaque wood finish

Product Use: White finish for windows and doors

Synonyms:

Manufacturer Information

Osmo Holz und Color GmbH & Co KG

Affhüppen Esch 12

48231 Warendorf

Germany

Phone: +49 2581/922-100

Emergency # +49 251/692-188

Mfg Contact: Berlin: +49 30/19240

*** Section 2 - Hazards Identification ***

Emergency Overview

Product is a light, creamy liquid. Combustible liquid and vapor. Contact with this material can cause irritation to the skin, eyes and mucous membranes. Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.

Potential Health Effects: Eyes

This product may cause irritation to the eyes. Symptoms include itching, burning, redness and tearing.

Potential Health Effects: Skin

This product may cause irritation to the skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals.

Potential Health Effects: Ingestion

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of components of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

Potential Health Effects: Inhalation

Inhalation may cause irritation of the mucous membranes and coughing. Excessive inhalation of this product may cause headache, dizziness, blurred vision, nausea and vomiting.

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
64742-48-9	Naphtha (petroleum), hydrotreated heavy	10-30
13463-67-7	Titanium dioxide	20-30
7631-86-9	Silica	5-10
96-29-7	2-Butanoxime	0.5

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication) and the Canadian Controlled Product Regulations. Other components in this product are considered non-hazardous under the criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard) and the Canadian Controlled Product Regulations.

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

First Aid: Skin

For skin contact, wash immediately with soap and water. Immediately take off all contaminated clothing. Wash contaminated clothing before reuse. If irritation persists, get medical attention.

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First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. Seek medical attention. If not breathing, have qualified personnel give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician immediately.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

Combustible liquid. Burning may produce hazardous decomposition products.

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

Hazardous Combustion Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide, oxides of nitrogen and/or low molecular weight hydrocarbons.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Unsuitable Extinguishing Media

Do not point solid water stream directly into burning product to avoid spreading.

Fire Fighting Equipment/Instructions

Use water to cool fire-exposed containers and to protect personnel. Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 2 Fire: 2 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop the flow of material, if this is without risk. Remove sources of ignition. Block any potential routes to water systems.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Ventilate the contaminated area. Eliminate ignition sources including sources of electrical, static or frictional sparks. Do not use sparking tools. Absorb spill with inert material. Shovel material into appropriate container for disposal.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Danger! Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

*** Section 7 - Handling and Storage ***

Handling Procedures

Use this product with adequate ventilation. When using this material, do not eat, drink or smoke. Avoid breathing vapors or mists of this product. Do not get this material in your eyes, on your skin, or on your clothing. Keep this product from heat, sparks, or open flame. Use non-sparking tools when opening or closing containers. Do not cut, puncture or weld on or near this container. Do not apply pressure to this container. Containers should be bonded and grounded during transfer of the material. Wash thoroughly after handling.

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

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Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place. Eliminate all sources of ignition. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers. Store in original containers.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Silica (CAS# 7631-86-9)

NIOSH: 6 mg/m³ TWA

Engineering Controls

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves. Use of an impervious apron is recommended.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH respiratory protection must be provided

Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material. Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	White, light creamy liquid	Odor:	Mild, characteristic solvent odor
Physical State:	Liquid	pH:	Not Applicable
Vapor Pressure:	Not Available	Vapor Density:	Not Available
Boiling Point:	180-200°C (356-428°F)	Melting Point:	Not Available
Solubility (H₂O):	Insoluble	Specific Gravity:	1.3 – 1.4 g/cm ³
Evaporation Rate:	Not Available	VOC:	<300 g/L
Viscosity:	Efflux Time: >300 (20°C (68°F) 4 mm ISO-Cup)	Molecular Weight:	Solid Content: 76-78%
Octanol/H₂O Coeff.:	Not Available	Flash Point:	>55°C (>131°F)
Flash Point Method:	Not Available	Upper Flammability Limit (UFL):	6.5 Vol%
Lower Flammability Limit (LFL):	0.5 Vol%	Burning Rate:	Not Available
Auto Ignition:	Not Available		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Keep away from heat, ignition sources and incompatible materials.

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded.

Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this.

Incompatibility

This product may react with strong acids, bases and oxidizing agents.

Hazardous Decomposition

Upon decomposition, this product emits carbon monoxide, carbon dioxide, oxides of nitrogen and/or low molecular weight hydrocarbons.

Possibility of Hazardous Reactions

Will not occur.

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*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

Contact with this material can cause irritation to the skin, eyes and mucous membranes. Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction. Component can cause central nervous system depression characterized by headache, sleepiness, dizziness, slurred speech and blurred vision.

B: Component Analysis - LD50/LC50

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >3160 mg/kg

Silica (7631-86-9)

Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

2-Butanonoxime (96-29-7)

Inhalation LC50 Rat: 20 mg/L/4H; Oral LD50 Rat: 930 mg/kg; Dermal LD50 Rabbit: 0.2 mg/kg

Titanium dioxide (13463-67-7)

Oral LD50 Rat: >24.000 mg/kg; Dermal LD50 Rabbit: > 10.000 mg/kg

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

Silica (CAS# 7631-86-9)

IARC: Monograph 68 [1997], Supplement 7 [1987] (Group 3 (not classifiable))

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No data available for this product. Do not allow product to enter sewer or waterways.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Test & Species	Conditions
96 Hr LC50 Pimephales promelas	2200 mg/L
96 Hr LC50 Chaetogammarus marinus	2.6 mg/L

Silica (7631-86-9)

Test & Species	Conditions
96 Hr LC50 Brachydanio rerio	5000 mg/L
72 Hr EC50 Selenastrum capricornutum	440 mg/L
48 Hr EC50 Ceriodaphnia dubia	7600 mg/L

2-Butanonoxime (96-29-7)

Test & Species	Conditions
96 Hr LC50 Pimephales promelas	843 mg/L
96 Hr LC50 Leuciscus idus	320-1000 mg/L
96 Hr LC50 Poecilia reticulata	760 mg/L
72 Hr EC50 Scenedesmus subspicatus	83 mg/L
5 min EC50 Photobacterium phosphoreum	950 mg/L
17 Hr EC50 Pseudomonas putida	281 mg/L
48 Hr EC50 Daphnia magna	750 mg/L

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Titanium dioxide (13463-67-7)

Test & Species

96 Hr LC50 Pimephales promelas

>1000 mg/L

Conditions

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Paint

UN/NA #: UN1263 Hazard Class: 3 Packing Group: III

Required Label(s): FLAMMABLE LIQUID

TDG Information

Shipping Name: Paint

UN/NA #: UN1263 Hazard Class: 3 Packing Group: III

Required Label(s): FLAMMABLE LIQUID

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

Acute Health: Yes Chronic Health: No Fire: Yes Pressure: No Reactive: No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Silica	7631-86-9	Yes	Yes	Yes	Yes	Yes	No
2-Butanonoxime	96-29-7	No	No	Yes	No	No	No

Canadian WHMIS Information

A: General Product Information

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

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B: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Silica	7631-86-9	1 %

WHMIS Classification:

B3- Combustible Material

D2B- Irritating to Eyes and Skin, Skin Sensitization

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Yes	DSL	EINECS
Silica	7631-86-9	Yes	DSL	EINECS
Titanium dioxide	13463-67-7	Yes	DSL	EINECS
2-Butanonoxime	8006-44-8	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average