# Material Safety Data Sheet

**Material Name: 8016 Osmo Wash and Care**

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

**Part Number:** 8016 Osmo Wash and Care Concentrate
**Can Sizes:** 1.0L, 5.0L, 10L, 25L
**Chemical Name:** Mixture
**Product Use:** Water soluble cleaning concentrate/detergent for cleaning of all oil/waxed woodwork.
**Synonyms:** Cleaning concentrate

**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 yellowish creamy liquid. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

**Potential Health Effects: Eyes**

This product is severely irritating to the eyes. Prolonged or repeated exposure may cause eye burns.

**Potential Health Effects: Skin**

Avoid skin contact with concentrate. Contact with liquid may produce severe skin irritation including redness, inflammation. Prolonged or repeated exposure may cause skin burns.

**Potential Health Effects: Ingestion**

Ingestion may produce severe irritation and burns of the digestive tract.

**Potential Health Effects: Inhalation**

High concentration of product vapors may cause severe irritation or burns of the upper respiratory tract.

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

| CAS # | Component | Percent |
|---|---|---|
| 7732-18-5 | Water | 60-100 |
| 112-80-1 | Oleic acid | 7-13 |
| 69011-36-5 | Polyoxyethylene trimethyldecyl alcohol | 1-5 |
| 1310-73-2 | Sodium hydroxide | 0.1-1 |
| 7647-14-5 | Sodium chloride | 0.1-1 |

**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 with eyes, rinse immediately with plenty of water and seek medical advice.

**First Aid: Skin**

Immediately take off all contaminated clothing. Wash with soap and water and seek medical advice.

**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.

This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a slight fire hazard.

**Hazardous Combustion Products**

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

**Extinguishing Media**

Dry chemical, foam, carbon dioxide, water fog.

**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:** 0 **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. Absorb spill with inert material. Shovel material into appropriate container for disposal.

**Evacuation Procedures**

Isolate area. Keep unnecessary personnel away.

**Special Procedures**

Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapors or mists.

## * * * 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. Wash thoroughly after handling.

**Storage Procedures**

Store in a cool and dry area. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Keep container upright, when not in use, to prevent leakage. Open containers carefully and slowly. Do not reuse empty container.

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

**A: Component Exposure Limits**

**Sodium hydroxide (1310-73-2)**

ACGIH: 2 mg/m3 Ceiling
OSHA: 2 mg/m3 Ceiling
NIOSH: 2 mg/m3 Ceiling

**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 chemical goggles and face shield.

**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. Eyewash fountains and emergency showers are required.

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

| | | | |
|---|---|---|---|
| **Appearance:** | Light yellowish liquid | **Odor:** | Mild characteristic odor |
| **Physical State:** | Liquid | **pH:** | 10-11 |
| **Vapor Pressure:** | Not Available | **Vapor Density:** | Not Available |
| **Boiling Point:** | 100°C (212°F) | **Melting Point:** | Not Applicable |
| **Solubility (H2O):** | Completely water soluble | **Specific Gravity:** | 1.0g/cm |
| **Freezing Point:** | 0°C (32°F) | **Evaporation Rate:** | Not Available |
| **VOC:** | Not Available | **Viscosity:** | Efflux Time: 20-40 sec. (20°C (68°F) 4 mm ISO-Cup) |
| **Molecular Weight:** | Solid content: 10% | **Octanol/H2O Coeff.:** | Not Available |
| **Flash Point:** | Not Available | **Flash Point Method:** | Not Available |
| **Upper Flammability Limit (UFL):** | Not Available | **Lower Flammability Limit (LFL):** | Not Available |
| **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.

**Incompatibility**

Keep away from oxidizing agents, strongly alkaline and strongly acidic materials.

**Hazardous Decomposition**

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

**Possibility of Hazardous Reactions**

Will not occur.

## * * * Section 11 - Toxicological Information * * *

**Acute Dose Effects**

**A: General Product Information**

May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system. Prolonged or repeated exposure may cause more severe symptoms including chemical burns.

**B: Component Analysis - LD50/LC50**

**Water (7732-18-5)**

Oral LD50 Rat: >90 mL/kg

**Oleic acid (112-80-1)**

Oral LD50 Rat: 74 g/kg

**Sodium hydroxide (1310-73-2)**

Dermal LD50 Rabbit: 1350 mg/kg

**Sodium chloride (7647-14-5)**

Inhalation LC50 Rat: >42 g/m3/1H
Oral LD50 Rat: 3 g/kg
Dermal LD50 Rabbit: >10 g/kg

**Carcinogenicity**

**A: General Product Information**

No carcinogenicity data available for this product.

**B: Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

## * * * Section 12 - Ecological Information * * *

**Ecotoxicity**

**A: General Product Information**

No information available for the product.

**B: Component Analysis - Ecotoxicity - Aquatic Toxicity**

**Oleic acid (112-80-1)**

| Test & Species | | Conditions |
|---|---|---|
| 96 Hr LC50 Pimephales promelas | 205 mg/L | static |

**Sodium hydroxide (1310-73-2)**

| Test & Species | | Conditions |
|---|---|---|
| 96 Hr LC50 Oncorhynchus mykiss | 45.4 mg/L | static |

**Sodium chloride (7647-14-5)**

| Test & Species | | Conditions |
|---|---|---|
| 96 Hr LC50 Lepomis macrochirus | 9675 mg/L | flow-through |
| 96 Hr LC50 Lepomis macrochirus | 12946 mg/L | static |
| 96 Hr LC50 Pimephales promelas | 7650 mg/L | static |
| 48 Hr EC50 Daphnia magna | 1000 mg/L | |

## * * * 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:** Not regulated as a hazardous material.

**TDG Information**

**Shipping Name:** Not regulated as a dangerous good.

## * * * 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**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

**Sodium hydroxide (1310-73-2)**

CERCLA: 1000 lb final RQ; 454 kg final RQ

**Acute Health:** Yes **Chronic Health:** No **Fire:** No **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 |
|---|---|---|---|---|---|---|---|
| Oleic acid | 112-80-1 | No | No | No | No | Yes | Yes |
| Sodium hydroxide | 1310-73-2 | Yes | Yes | Yes | Yes | Yes | Yes |

**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.

**B: Component Analysis - WHMIS IDL**

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

| Component | CAS # | Minimum Concentration |
|---|---|---|
| Oleic acid | 112-80-1 | 1 % |

**WHMIS Classification:** D2B- Skin/Eye Irritation

**Additional Regulatory Information**

**A: General Product Information**

No additional information available.

**B: Component Analysis - Inventory**

| Component | CAS # | TSCA | CAN | EEC |
|---|---|---|---|---|
| Water | 7732-18-5 | Yes | DSL | EINECS |
| Oleic acid | 112-80-1 | Yes | DSL | EINECS |
| Polyoxyethylene trimethyldecyl alcohol | 69011-36-5 | Yes | DSL | No |
| Sodium hydroxide | 1310-73-2 | Yes | DSL | EINECS |
| Sodium chloride | 7647-14-5 | Yes | DSL | EINECS |
| 2-Methyl-3-isothiazolone | 2682-20-4 | Yes | DSL | EINECS |

## * * * Section 16 - Other Information * * *

**Other Information**

Disclaimer: Supplier gives no warranty of merchantibility 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