

# Material Safety Data Sheet



## 1. Product and company identification

**Product name** Optimol Paste White T  
**MSDS #** 453853  
**Code** 453853-DE03  
**Product use** Paste  
For specific application advice see appropriate Technical Data Sheet or consult our company representative.  
**Manufacturer** Castrol Industrial North America, Inc.  
150 W. Warrenville Road  
Naperville, IL 60563  
**Supplier** Castrol Industrial North America, Inc.  
150 W. Warrenville Road  
Naperville, IL 60563  
Product Information: 1-800-621-2661  
**EMERGENCY SPILL INFORMATION:** 1 (800) 424-9300 CHEMTREC (USA)

## 2. Hazards Identification

**Physical state** Liquid. [Paste]  
**Color** White.  
**Emergency overview** WARNING I  
CAUSES EYE AND SKIN IRRITATION.  
MAY CAUSE RESPIRATORY TRACT IRRITATION.  
Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.  
**Routes of entry** Dermal contact. Eye contact. Inhalation. Ingestion.  
**Potential health effects**  
**Eyes** Causes eye irritation.  
**Skin** Causes skin irritation. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.  
**Inhalation** May cause respiratory tract irritation.  
**Ingestion** No known significant effects or critical hazards.  
See toxicological information (section 11)

## 3. Composition/information on ingredients

Ingredient name	CAS #	%
Base oil - highly refined	Varies	30 - 35
kaolin	1332-58-7	5 - 10
Zinc oxide	1314-13-2	5 - 10
Fatty amide derivative.	Proprietary	1 - 5
titanium dioxide	13463-67-7	1 - 5

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	(US)	<b>Language</b> ENGLISH. (ENGLISH)

## 4. First aid measures

Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin contact	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

## 5. Fire-fighting measures

Flash point	Closed cup: >220°C (>428°F)
Fire/explosion hazards	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Extinguishing media</b>	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Not suitable	Do not use water jet.
Fire-fighting procedures	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous combustion products	Combustion products may include the following: phosphorus oxides metal oxides/oxides carbon oxides (CO, CO <sub>2</sub> ) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO <sub>2</sub> etc.)
Protective clothing (fire)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

Personal precautions	No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>Methods for cleaning up</b>	
Large spill	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.
Small spill	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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## 7. Handling and storage

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
<b>Storage</b>	Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### Occupational exposure limits

Ingredient name	Occupational exposure limits
Base oil - highly refined	<b>ACGIH (United States),</b> STEL: 10 mg/m <sup>3</sup> 15 minute(s). Form: Mineral oil, mist TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Mineral oil, mist <b>OSHA (United States),</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Mineral oil, mist
kaolin	<b>ACGIH TLV (United States),</b> TWA: 2 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 5/1996 Form: Respirable fraction <b>NIOSH REL (United States),</b> TWA: 5 mg/m <sup>3</sup> 10 hour(s). Issued/Revised: 6/1994 Form: Respirable fraction TWA: 10 mg/m <sup>3</sup> 10 hour(s). Issued/Revised: 6/1994 Form: Total <b>OSHA PEL (United States),</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 6/1993 Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 6/1993 Form: Total dust
Zinc oxide	<b>ACGIH TLV (United States),</b> TWA: 2 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 1/2003 STEL: 10 mg/m <sup>3</sup> 15 minute(s). Issued/Revised: 1/2003 <b>NIOSH REL (United States),</b> CEIL: 15 mg/m <sup>3</sup> Issued/Revised: 6/1994 Form: Dust TWA: 5 mg/m <sup>3</sup> 10 hour(s). Issued/Revised: 6/1994 Form: Dust and fumes STEL: 10 mg/m <sup>3</sup> 15 minute(s). Issued/Revised: 6/1994 Form: Fume <b>OSHA PEL (United States),</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 6/1993 Form: Fume TWA: 5 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 6/1993 Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 6/1993 Form: Total dust
titanium dioxide	<b>ACGIH TLV (United States),</b> TWA: 10 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 5/1996 <b>OSHA PEL (United States),</b> TWA: 15 mg/m <sup>3</sup> 8 hour(s). Issued/Revised: 6/1993 Form: Total dust

While specific OELs for certain components may be shown in this section, other components may be present in any mist, vapor or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Some states may enforce more stringent exposure limits.

<b>Control Measures</b>	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>Hygiene measures</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
<b>Personal protection</b>	
<b>Eyes</b>	Avoid contact with eyes. Safety glasses with side shields or chemical goggles.
<b>Skin and body</b>	Do not get on skin or clothing. Wear suitable protective clothing.
<b>Respiratory</b>	Use adequate ventilation. Do not breathe vapor or mist.

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## Hands

The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

## 9. Physical and chemical properties

Physical state	Paste
Color	White.
Odor	Mild.
Flash point	Closed cup: >220°C (>428°F)
Density	>1000 kg/m <sup>3</sup> (>1 g/cm <sup>3</sup> ) at 20°C
Vapor pressure	<0.01 kPa (<0.075 mm Hg) at 20°C
Solubility	Very slightly soluble in water

## 10. Stability and reactivity

Stability and reactivity	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Not available.
Incompatibility with various substances	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11. Toxicological information

### Classification

Product/ingredient name	IARC	NTP	OSHA
titanium dioxide	2B	-	-

IARC:  
2B - Possible carcinogen to human.

### Other information

#### Potential chronic health effects

**Carcinogenicity** Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.

## 12. Ecological Information

### Ecotoxicity

No testing has been performed by the manufacturer.

**Persistence/degradability** Inherently biodegradable

**Mobility** Non-volatile. Grease. Very slightly soluble in water.

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### 13. Disposal considerations

**Waste Information**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**NOTE:** The generator of waste has the responsibility for proper waste identification (based on characteristic(s) or listing), transportation and disposal

### 14. Transport information

**International transport regulations**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	Not regulated.	-	-	-	-
TDG Classification	Not regulated.	-	-	-	-
IMDG Classification	UN3077	Environmentally hazardous substance, solid, n.o.s. (Zinc oxide). Marine pollutant	9	III	<b>Emergency schedules (EMS)</b> F-A, S-F  Marine pollutant
IATA/CAO Classification	UN3077	Environmentally hazardous substance, solid, n.o.s. (Zinc oxide)	9	III	-

### 15. Regulatory information

**U.S. Federal Regulations**

United States inventory (TSCA 8b)

At least one component is not listed.

TSCA 12(b) annual export notification: Mercury

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: kaolin; titanium dioxide; Zinc oxide

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Optimol Paste

White T: Immediate (acute) health hazard

**SARA 313**

	Product name	CAS number	Concentration
Form R - Reporting requirements	Zinc oxide	1314-13-2	4.99 - 5
Supplier notification	Zinc oxide	1314-13-2	4.99 - 5

**CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4):** CERCLA: Hazardous substances.: Antimony powder: 5000 lbs. (2270 kg); Arsenic: 1 lb. (0.454 kg); Cadmium: 10 lbs. (4.54 kg); lead: 10 lbs. (4.54 kg); Mercury: 1 lb. (0.454 kg); selenium: 100 lbs. (45.4 kg); Zinc powder - zinc dust (stabilized): 1000 lbs. (454 kg); Zinc oxide;

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**State regulations**

**Massachusetts  
Substances**

The following components are listed: ZINC OXIDE FUME; kaolin; TITANIUM DIOXIDE

**New Jersey Hazardous  
Substances**

The following components are listed: ZINC OXIDE; TITANIUM DIOXIDE

**Pennsylvania RTK  
Hazardous Substances**

The following components are listed: ZINC OXIDE (ZNO); KAOLIN; TITANIUM OXIDE (TiO2)

**California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.  
Arsenic

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.  
Mercury

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.  
Cadmium; lead

**Inventories**

**Canada inventory**

At least one component is not listed.

**Europe inventory**

All components are listed or exempted.

**Australia inventory (AICS)**

At least one component is not listed.

**China inventory (IECSC)**

At least one component is not listed.

**Japan inventory (ENCS)**

At least one component is not listed.

**Korea inventory (KEC)**

At least one component is not listed.

**Philippines inventory  
(PICCS)**

At least one component is not listed.

**16. Other information**

**Label requirements**

**WARNING !**

**CAUSES EYE AND SKIN IRRITATION.  
MAY CAUSE RESPIRATORY TRACT IRRITATION.**

**HMIS® Rating :**

**Health \* 2  
Flammability 1  
Physical 0  
Hazard  
Personal B  
protection**

**National Fire  
Protection  
Association (U.S.A.)**



**History**

**Date of issue**

06/24/2009.

**Date of previous issue**

No previous validation.

**Prepared by**

Product Stewardship

**Notice to reader**

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All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

CROWDER SUPPLY CO, INC. - 8495 ROSLYN ST. - COMMERCE CITY, CO 80022 - TOLL FREE 888-883-5144 - www.crowdersupply.com

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