



# SAFETY DATA SHEET

DOW CHEMICAL THAILAND LIMITED  
HONG KONG BRANCH

**Product name:** ECOSMOOTH™ OptiTouch

**Issue Date:** 12.06.2016

**Print Date:** 17.10.2019

DOW CHEMICAL THAILAND LIMITED HONG KONG BRANCH encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

---

## 1. PRODUCT AND COMPANY IDENTIFICATION

---

**Product name:** ECOSMOOTH™ OptiTouch

**Recommended use of the chemical and restrictions on use**

**Identified uses:** Personal care

### COMPANY IDENTIFICATION

DOW CHEMICAL THAILAND LIMITED  
HONG KONG BRANCH  
47/F, SUN HUNG KAI CENTRE  
30 HARBOUR ROAD, WANCHAI  
WAN CHAI  
HONG KONG

-  
(Incorporated in Thailand with Limited Liability)

**Customer Information Number:**

(66)2-3657000  
SDSQuestion@dow.com

### EMERGENCY TELEPHONE NUMBER

**24-Hour Emergency Contact:** (66)38-925-400

**Local Emergency Contact:** 038-925-400

---

## 2. HAZARDS IDENTIFICATION

---

### GHS Classification

This product is not hazardous per the Globally Harmonized System of Classification and Labelling (GHS).

### GHS label elements

#### Precautionary statements

##### Prevention

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Avoid release to the environment.

**Response**

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES:

Rinse cautiously with water for several minutes.

**Storage**

Store in a dry place. Store in a closed container.

**Disposal**

Dispose of contents/container in accordance with local regulation.

**Other hazards**

No data available

---

---

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

---

This product is a mixture.

| <b>Component</b> | <b>CASRN</b> | <b>Concentration</b> |
|------------------|--------------|----------------------|
| 1,2-Hexanediol   | 6920-22-5    | >= 1.0 - < 10.0 %    |

---

---

**4. FIRST AID MEASURES**

---

**Description of first aid measures**

**General advice:** First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air; if effects occur, consult a physician.

**Skin contact:** Wash off with plenty of water. Suitable emergency safety shower facility should be available in work area.

**Eye contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

**Ingestion:** No emergency medical treatment necessary.

**Most important symptoms and effects, both acute and delayed:** Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Repeated excessive exposure may aggravate preexisting lung disease.

---

## 5. FIREFIGHTING MEASURES

---

**Suitable extinguishing media:** This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:** None known.

**Special hazards arising from the substance or mixture**

**Hazardous combustion products:** Not applicable

**Unusual Fire and Explosion Hazards:** None known.

**Advice for firefighters**

**Fire Fighting Procedures:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

**Personal precautions, protective equipment and emergency procedures:** Ventilate the area. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions:** Try to prevent the material from entering drains or water courses. Do not contaminate surface water.

**Methods and materials for containment and cleaning up:** Sweep up or vacuum up spillage and collect in suitable container for disposal.

---

## 7. HANDLING AND STORAGE

---

**Precautions for safe handling:** No special handling advice required. For personal protection see section 8. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions for safe storage:** Keep from freezing - product stability may be affected.

**Storage stability**

**Storage temperature:** 1 - 49 °C

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### Control parameters

Exposure limits are listed below, if they exist.

Exposure limits have not been established for those substances listed in the composition, if any have been disclosed.

### Exposure controls

**Engineering controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

### Individual protection measures

**Eye/face protection:** Use safety glasses (with side shields).

#### Skin protection

**Hand protection:** Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Avoid gloves made of: Polyvinyl alcohol ("PVA"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator.

The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

### Appearance

|                                 |                    |
|---------------------------------|--------------------|
| <b>Physical state</b>           | liquid             |
| <b>Color</b>                    | White to off-white |
| <b>Odor</b>                     | No data available  |
| <b>Odor Threshold</b>           | No data available  |
| <b>pH</b>                       | 8 - 10             |
| <b>Melting point/range</b>      | No data available  |
| <b>Freezing point</b>           | No data available  |
| <b>Boiling point (760 mmHg)</b> | No data available  |

|  |                        |
|--|------------------------|
| Flash point                            | No data available      |
| Evaporation Rate (Butyl Acetate = 1)   | No data available      |
| Flammability (solid, gas)              | Not Applicable         |
| Lower explosion limit                  | No data available      |
| Upper explosion limit                  | No data available      |
| Vapor Pressure                         | No data available      |
| Relative Vapor Density (air = 1)       | No data available      |
| Relative Density (water = 1)           | No data available      |
| Water solubility                       | Soluble                |
| Partition coefficient: n-octanol/water | No data available      |
| Auto-ignition temperature              | No data available      |
| Decomposition temperature              | No test data available |
| Dynamic Viscosity                      | < 200 cP               |
| Kinematic Viscosity                    | No data available      |
| Explosive properties                   | No data available      |
| Oxidizing properties                   | No data available      |
| Molecular weight                       | No data available      |
| Percent volatility                     | 65 - 69 %              |

NOTE: The physical data presented above are typical values and should not be construed as a specification.

---

## 10. STABILITY AND REACTIVITY

---

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** Stable

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** None known.

**Incompatible materials:** There are no known materials which are incompatible with this product.

**Hazardous decomposition products:** Decomposition products depend upon temperature, air supply and the presence of other materials.

---

## 11. TOXICOLOGICAL INFORMATION

---

*Toxicological information appears in this section when such data is available.*

### Acute toxicity

#### Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

For similar material(s):

LD50, Rat, female, > 2,000 mg/kg OECD Test Guideline 425 No deaths occurred at this concentration.

**Acute dermal toxicity**

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

For similar material(s):

LD50, Rat, > 2,000 mg/kg OECD Test Guideline 402 No deaths occurred at this concentration.

**Acute inhalation toxicity**

Brief exposure (minutes) is not likely to cause adverse effects. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs.

For similar material(s):

LC50, Rat, male and female, 4 Hour, dust/mist, > 4.28 mg/l No deaths occurred at this concentration.

**Skin corrosion/irritation**

Brief contact may cause slight skin irritation with local redness.

**Serious eye damage/eye irritation**

May cause eye irritation.

Corneal injury is unlikely.

**Sensitization**

For similar material(s):

Did not demonstrate the potential for contact allergy in mice.

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization:

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

**Carcinogenicity**

No relevant data found.

**Teratogenicity**

No relevant data found.

**Reproductive toxicity**

No relevant data found.

**Mutagenicity**

For similar material(s): In vitro genetic toxicity studies were negative.

**Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

---

**12. ECOLOGICAL INFORMATION**

---

*Ecotoxicological information appears in this section when such data is available.*

**Ecotoxicity****Acute toxicity to fish**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

For similar material(s):

LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, > 100 mg/l, OECD Test Guideline 203

For similar material(s):

NOEC, Oncorhynchus mykiss (rainbow trout), 96 Hour, 100 mg/l, OECD Test Guideline 203

**Acute toxicity to aquatic invertebrates**

For similar material(s):

EC50, Daphnia magna (Water flea), 48 Hour, > 100 mg/l, OECD Test Guideline 202

For similar material(s):

NOEC, Daphnia magna (Water flea), 48 Hour, 100 mg/l, OECD Test Guideline 202

**Acute toxicity to algae/aquatic plants**

For similar material(s):

ErC50, Pseudokirchneriella subcapitata (green algae), 72 Hour, Growth rate, > 100 mg/l, OECD Test Guideline 201

For similar material(s):

NOEC, Pseudokirchneriella subcapitata (green algae), 72 Hour, Growth rate, 6.4 mg/l, OECD Test Guideline 201

**Persistence and degradability**

**Biodegradability:** Material is not readily biodegradable according to OECD/EEC guidelines.

For similar material(s):

**Biodegradation:** 0 %

**Exposure time:** 28 d

**Method:** OECD Test Guideline 301F

**Bioaccumulative potential****1,2-Hexanediol**

**Bioaccumulation:** Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

**Partition coefficient: n-octanol/water(log Pow):** 0.58

**Mobility in Soil****1,2-Hexanediol**

No relevant data found.

**Results of PBT and vPvB assessment**

This mixture has not been assessed for persistence, bioaccumulation and toxicity (PBT).

**Other adverse effects**

No data available.

---

---

**13. DISPOSAL CONSIDERATIONS**

---

---

**Disposal methods:** Do not dispose of waste into sewer. For disposal, incinerate this material at a facility that complies with local, state, and federal regulations.

---

---

**14. TRANSPORT INFORMATION**

---

---

**Classification for ROAD and Rail transport:**

Not regulated for transport

**Classification for SEA transport (IMO-IMDG):**

Not regulated for transport

**Transport in bulk  
according to Annex I or II  
of MARPOL 73/78 and the  
IBC or IGC Code**

Consult IMO regulations before transporting ocean bulk

**Classification for AIR transport (IATA/ICAO):**

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

---

---

**15. REGULATORY INFORMATION**

---

---

**Thailand: Hazardous Substance Act, B.E. 2535**

This product does not contain substances listed in Thai Hazardous Substances Act.

**Thailand: Notification of Department of Labour Protection and Welfare (List of Hazardous Chemicals)**



All components of this product are not listed.

---

---

## 16. OTHER INFORMATION

---

### Hazard Rating System

#### HMIS

| Health | Flammability | Physical Hazard |
|--------|--------------|-----------------|
| 1      | 0            | 0               |

### Revision

Identification Number: 102981176 / A172 / Issue Date: 12.06.2016 / Version: 1.1

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

DOW CHEMICAL THAILAND LIMITED HONG KONG BRANCH urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.