

## 1 Identification of substance

### Product details

**Trade name:** GRACE Top-Cast 250™

**MSDS ID Number:** D-06119

**Replaces MSDS ID Number:** D-06087

### Manufacturer/Supplier:

W.R. Grace & Co. -Conn.  
62 Whittemore Avenue  
Cambridge, MA 02140 USA

Grace Canada, Inc.  
294 Clements Road W.  
Ajax, Ontario L1S 3C6 Canada

[www.graceconstruction.com](http://www.graceconstruction.com)

### Information department:

Environmental Health & Safety  
USA: 1-617-876-1400 (24 hours)  
1-800-354-5414 (8AM - 5PM)

CAN: 1-905-683-8561 (24 hours)

**Transport Emergency:** Chemtrec 1-800-424-9300 (24 hours)

## 2 Composition/Data on components

### Chemical characterization

**Description:** Mixture of the substances listed below with nonhazardous additions.

#### Hazardous components:

50-00-0	Formaldehyde	T, C; R 23/24/25-34-40-43	0.0-1.0%
77-92-9	Citric acid	Xi; R 36	5.0-10.0%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

### Hazard description:

Xi Irritant

### Information pertaining to particular dangers for man and environment:

Review information in this MSDS and product label prior to use.  
Irritating to eyes and respiratory system.

### Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

(Cont. on page 2)

USA

## Material Safety Data Sheet

Printing date 08/22/2006

Reviewed on 08/22/2006

Trade name: **GRACE Top-Cast 250™****NFPA ratings (scale 0 - 4)**

(Cont. from page 1)



Health = 1  
 Fire = 1  
 Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

Health = 1  
 Fire = 1  
 Reactivity = 0

**4 First aid measures****After inhalation:**

If symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

**After skin contact:**

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

**After swallowing:** Do not induce vomiting; immediately call for medical help.

**5 Fire fighting measures****Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

**6 Accidental release measures**

**Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

**Measures for environmental protection:** Dilute with plenty of water.

**Measures for cleaning/collecting:**

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

Dispose contaminated material as waste according to section 13 of the MSDS.

USA

(Cont. on page 3)

## Material Safety Data Sheet

Printing date 08/22/2006

Reviewed on 08/22/2006

Trade name: **GRACE Top-Cast 250™**

(Cont. from page 2)

**7 Handling and storage****Handling:****Information for safe handling:** Open and handle receptacle with care.**Information about protection against explosions and fires:**

Empty containers may retain hazardous residue, both liquid and vapor. Do not cut, drill, grind or weld on or near container, whether empty or full.

**Storage:****Information about storage in one common storage facility:** No special measures required.**Further information about storage conditions:** None.**8 Exposure controls and personal protection****Additional information about design of technical systems:** No further data; see item 7.**Components with limit values that require monitoring at the workplace:****57-55-6 Propylene glycol**WEEL 10 mg/m<sup>3</sup>**50-00-0 Formaldehyde**

PEL	Short-term value: 2 ppm Long-term value: 0.75 ppm see 29 CFR 1910.1048
REL	Short-term value: C 0.1* ppm Long-term value: 0.016 ppm *15-min
TLV	Short-term value: C 0.37 mg/m <sup>3</sup> , C 0.3 ppm SEN

**Additional information:**

Contains formaldehyde below 0.1% threshold. Product is capable of releasing formaldehyde under certain conditions. Exposure during typical application is expected to be insignificant. Exposure to formaldehyde vapor is a potential concern if product is applied under confined space conditions. Consult appropriate exposure guidelines for formaldehyde. (OSHA: 0.75ppm-TWA, 2.0ppm-STEL, ACGIH 0.3ppm ceiling)

The lists that were valid during the creation were used as basis.

**Personal protective equipment:****General protective and hygienic measures:** Avoid contact with the eyes and skin.**Breathing equipment:**

Respiratory protection is not normally required. If a vapor or mist is created, use an approved dust/mist respirator (NIOSH N95).

A NIOSH approved respirator for Formaldehyde vapor is required whenever exposures exceed regulatory limits. For additional information, refer to US OSHA regulations 29 CFR 1910.§134

(Cont. on page 4)

USA

## Material Safety Data Sheet

Printing date 08/22/2006

Reviewed on 08/22/2006

Trade name: **GRACE Top-Cast 250™**

(Cont. from page 3)

**Protection of hands:**

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

**Material of gloves**

Gloves should be impermeable and resistant to the product. Selection of material should be considered before use.

**Eye protection:**

Tightly sealed goggles

**Face protection**

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.

**Body protection:** Protective work clothing**9 Physical and chemical properties****General Information**

<b>Form:</b>	Liquid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic

**Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** 100°C (212°F)

<b>Flash point:</b>	101°C (214°F)
<b>Method:</b>	(estimated) Aqueous system.

**Ignition temperature:** 371.0°C (700°F)**Auto igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**VOC Content (max):** 7.00 %**Density at 20°C (68°F):** 1.19946 g/cm<sup>3</sup>**10 Stability and reactivity****Thermal decomposition:** No decomposition if used according to specifications.**Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

(Cont. on page 5)

USA

## Material Safety Data Sheet

Printing date 08/22/2006

Reviewed on 08/22/2006

Trade name: **GRACE Top-Cast 250™**

(Cont. from page 4)

**Additional information:** See section 7 for information on handling, storage and conditions to be avoided.**11 Toxicological information****Acute toxicity:****LD/LC50 values relevant for classification:****77-92-9 Citric acid**

Oral | LD50 | 6730 mg/kg (rat)

**Primary irritant effect:****on the skin:** Irritant to skin and mucous membranes.**on the eye:** Irritating effect.**Additional toxicological information:**

Contains formaldehyde below 0.1% threshold. Product is capable of releasing formaldehyde under certain conditions. Exposures during typical applications are expected to be insignificant. Exposure to formaldehyde vapor is a potential concern if product is applied under confined space conditions. NTP: Suspect carcinogen. IARC: Group 1. OSHA: Potential

**12 Ecological information****General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13 Disposal considerations****Product:** Comply with Federal, State and local regulations**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agent:** Water, if necessary with cleansing agents.**14 Transport information****DOT regulations:****Hazard class:** -**Land Transport ADR/RID (cross-border):****ADR/RID class:** -**Maritime Transport IMDG:****IMDG Class:** -

(Cont. on page 6)

USA

## Material Safety Data Sheet

Printing date 08/22/2006

Reviewed on 08/22/2006

Trade name: **GRACE Top-Cast 250™**

(Cont. from page 5)

Marine pollutant: No

Air Transport ICAO-TI and IATA-DGR:  
ICAO/IATA Class: -**15 Regulations****SARA (Superfund Amendments and Reauthorization Act)****Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

**Section 313 (specific toxic chemical listings):**

None of the ingredients is listed.

**Chemical Inventory Status****TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian DSL):**

All ingredients are listed or exempt from listing unless otherwise noted below.

**CEPA (Canadian NDSL):** This product contains an NDSL listed chemical at <0.003 %.**California Proposition 65****Chemicals known to cause cancer:**

50-00-0 | Formaldehyde

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**WHMIS Classification(s):**

D2B - Toxic material causing other toxic effects

**Carcinogenicity Categories****EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**IARC (International Agency for Research on Cancer)**

13463-67-7 | Titanium dioxide

3

**NTP (National Toxicology Program)**

None of the ingredients is listed.

(Cont. on page 7)

USA

**Trade name: GRACE Top-Cast 250™**

(Cont. from page 6)

<b>TLV-ACGIH (Threshold Limit Value for Carcinogens established by ACGIH)</b>		
57-50-1	Sucrose	A4
13463-67-7	Titanium dioxide	A4

<b>NIOSH-Cancer (National Institute for Occupational Safety and Health)</b>		
13463-67-7	Titanium dioxide	

<b>OSHA-Cancer (Occupational Safety &amp; Health Administration)</b>		
None of the ingredients is listed.		

**National Volatile Organic Emission Standards for Architectural Coatings:**

**Volatile Organic Content:**

219.0 g/l / 1.83 lb/gal

**Product related hazard information:**

**Hazard symbols:**



Xi Irritant

**Risk phrases:**

Irritating to eyes and respiratory system.

**Safety phrases:**

Keep out of the reach of children.

Avoid contact with skin and eyes.

<b>Non-hazardous Ingredients</b>		
7732-18-5	Water	50-100%
57-50-1	Sucrose	20-30%
68-04-2	Sodium citrate	1.0-2.0%
1592-23-0	Calcium distearate, pure	2.0-5.0%

**16 Other information**

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."