

1 Identification of substance

Product details

Trade name: Grace Top Cast 200®

MSDS ID Number: D-06365

Replaces MSDS ID Number: D-06265

Manufacturer/Supplier:

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

Information department:

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

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:

10043-35-3	Boric acid		2.0-5.0%
77-92-9	Citric acid	Xi; R 36	5.0-10.0%
26172-55-4	5-chloro-2-methyl-2H-isothiazol-3-one	T, C, N; R 23/24/25-34-43-50/53	0.0-1.0%

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:

May cause sensitization by skin contact.

Classification system:

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

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Reviewed on 03/24/2008

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NFPA ratings (scale 0 - 4)

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Health = 0

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = *1

Flammability = 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:

CO₂, 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.

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

7 Handling and storage**Handling:****Information for safe handling:**

Open and handle receptacle with care.

Prevent formation of aerosols.

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:****10043-35-3 Boric acid**

TLV	Short-term value: 6 l mg/m ³ Long-term value: 2 l mg/m ³
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Additional information: 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).

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

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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**

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100°C (212°F)

Flash point:	> 100°C (> 212°F)
Method:	(estimated) Aqueous system.

Ignition temperature:	1010°C (1850°F)
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Auto igniting:	Product is not selfigniting.
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Danger of explosion:	Product does not present an explosion hazard.
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VOC Content (max):	1.00 %
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Density at 20°C (68°F):	1.10 - 1.15 g/cm ³
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Solubility in / Miscibility with

Water at 20°C (68°F):	- g/l
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pH-value at 20°C (68°F):	2.0 - 6.0
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10 Stability and reactivity

Thermal decomposition: No decomposition if used according to specifications.

Dangerous products of decomposition: Carbon monoxide and carbon dioxide

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:

13463-67-7 Titanium dioxide

Oral	LD50	> 10 000 mg/kg (rat)
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Dermal	LD50	> 10 000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 6.82 mg/l (rat)
10043-35-3 Boric acid		
Oral	LD50	2660 mg/kg (rat)
77-92-9 Citric acid		
Oral	LD50	6730 mg/kg (rat)

Primary irritant effect:**on the skin:** May be irritating to the skin on prolonged contact**on the eye:** May be irritating to the eyes.**Sensitization:** Sensitization possible through skin contact.**12 Ecological information****Additional 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:** Not Regulated for DOT**Hazard class:** -**Land Transport ADR/RID (cross-border):****ADR/RID class:** -
Not Regulated.**Maritime Transport IMDG:****IMDG Class:** -**Marine pollutant:** No**Air Transport ICAO-TI and IATA-DGR:** Not Regulated for ICAO and IATA-DGR

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ICAO/IATA Class:

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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.

California Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

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

None of the ingredients is listed.

IARC (International Agency for Research on Cancer)

13463-67-7 Titanium dioxide

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NTP (National Toxicology Program)

None of the ingredients is listed.

TLV-ACGIH (Threshold Limit Value for Carcinogens established by ACGIH)

57-50-1 Sucrose

A4

13463-67-7 Titanium dioxide

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NIOSH-Cancer (National Institute for Occupational Safety and Health)

13463-67-7 Titanium dioxide

OSHA-Cancer (Occupational Safety & Health Administration)

None of the ingredients is listed.

National Volatile Organic Emission Standards for Architectural Coatings: 19.0 g/l / 0.16 lb/gl

Product related hazard information:

Hazard symbols:



Xi Irritant

Hazard-determining components of labelling:

5-chloro-2-methyl-2H-isothiazol-3-one

Risk phrases:

May cause sensitization by skin contact.

Safety phrases:

Keep out of the reach of children.

Do not breathe gas/fumes/vapor/spray.

Avoid contact with skin and eyes.

Wear suitable gloves.

If swallowed, seek medical advice immediately and show this container or label.

Dispose of this material and its container at hazardous or special waste collection point

This material and its container must be disposed of as hazardous waste.

Non-hazardous Ingredients

7732-18-5 Water

50-100%

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."

USA