



SAFETY DATA SHEET

OMG2! Premium Base Coat

Date of issue: 7/1/2018

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY /UNDERTAKING

1.1: Product Identifier

Product Form: Substance, Powder
Substance Name: Ice Paint
Chemical Name: Calcium Carbonate and Titanium Dioxide
Product Name: Naf's OMG2! Premium Base Coat White

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: White coating for ice rink surfaces

1.3 Details of the supplier of the Safety Data Sheet

Naf's Paints, Inc.
5 Laurel Drive – Unit 4
Flanders, NJ 07836
USA
Tel: 866-631-4423

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

GHS-US Classification: Not Classified

2.2 Label elements

GHS-US Labeling: No labeling applicable

2.3 Other hazards

Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. May cause nose, throat, and lung irritation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Components

Chemical Name	CAS-No	Concentration	EC No
Precipitated Calcium Carbonate	471-34-1	80-85%	207-439-9
Titanium Dioxide	13463-67-7	15-17%	558
Aluminum Hydroxide	21645-51-2	<3%	17
Silicon Dioxide, Amorphous	7631-86-9	<3%	548

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- Inhalation:** Remove person to fresh air and keep comfortable for breathing. If symptoms develop obtain medical attention.
- Skin Contact:** Remove contaminated clothing and wash affected skin with plenty of water or soap and water. If skin irritation occurs, get medical advice/attention.
- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- Ingestion:** Do NOT induce vomiting. If symptoms develop, obtain medical attention. Wash out mouth with water and give 100-200 ml of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms/injuries:** Not expected to present a significant hazard under anticipated conditions of normal use. May cause irritant effects.

4.3 Indication of any immediate medical attention and special treatment needed

Not Applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Not combustible. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture

Reactivity: Reacts violently with acids

5.3 Advice for firefighters

Protection during firefighting: Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel

6.1.2 For emergency responders

Protective equipment: Wear suitable protective clothing and eye or face protection.

Emergency procedures: Ventilate area. Avoid dust formation. Do not breathe dust.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters

6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. After cleaning, flush away traces with water

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use in a well-ventilated area. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes, and clothing. Keep/store away from incompatible materials

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated place away from incompatible materials. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³ Dust
USA – NIOSH	NIOSH REL (TWA) (mg/m ³)	10 mg/m ³ Total Dust 5 mg/m ³ Respirable Dust

8.2 Exposure controls

Engineering Measures: Provide adequate ventilation to keep employee exposure below recommended limits

Personal Protective Equipment:

Hand Protection: In case of repeated or prolonged contact, wear gloves

Eye Protection: Wear safety glasses with side shields

Skin and Body Protection: Not required for normal conditions of use

Respiratory Protection: In case of insufficient ventilation and possible dust formation, wear suitable respiratory equipment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	Solid
Appearance:	Dry Powder
Color:	White
Odor:	Odorless
Odor Threshold:	No Data Available
pH:	about 10
Relative evaporation rate:	No Data Available
Melting Point:	450 degrees C Decomposes
Freezing Point:	No Data Available
Boiling Point:	Not Applicable
Flash Point:	No Data Available
Auto-ignition temperature:	No Data Available
Decomposition Temp:	>450 degrees C
Flammability (solid, gas):	Product is not flammable
Vapor Pressure:	No Data Available
Relative Vapor Density:	No Data Available
Relative Density:	approx. 3.25

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reacts violently with acids

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Can react violently with acids

10.4 Conditions to avoid

Heat

10.5 Incompatible materials

Acids

10.6 Hazardous decomposition products

Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:

LD50 Oral rat: >2,000 mg/kg

LD50 Inhalation rat >3mg/l/4h

Skin Corrosion/Irritation: Not classified as irritant

Serious Eye Damage/Irritation: Not classified as irritant

Respiratory or Skin Sensitization: Not classified as irritant

Germ Cell Mutagenicity: Did not cause genetic damage in animals. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity: In lifetime inhalation studies rats were exposed for 2 years to respectively 10, 50 and 250 mg/m³ of respirable TiO₂. Slight lung fibrosis was observed at 50 and 250 mg/m³ levels. Microscopic lung tumours were also observed in 13 percent of the rats exposed to 250 mg/m³, an exposure level that caused lung overloading and impairment of rat lungs clearance mechanisms. In further studies, these tumours were found to occur only under particle overload conditions in a uniquely sensitive species, the rat, and have little or no relevance for humans. The pulmonary inflammatory response to TiO₂ particles exposure was also found to be much more severe in rats than in other rodent species. In February 2006, IARC has re-evaluated Titanium dioxide as pertaining to Group 2B: "possibly carcinogenic to humans", based upon inadequate evidence in humans and sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide. IARC evaluation guidelines consider the generation of tumours, in 2 different studies within the same animal species, to be adequate criteria for an assessment of sufficient evidence.

The conclusions of several epidemiology studies on more than 20000 TiO₂ industry workers in Europe and the USA did not suggest a carcinogenic effect of TiO₂ dust on the human lung. Mortality from other chronic diseases, including other respiratory diseases, was also not associated with exposure to TiO₂ dust.

Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

Reproductive Toxicity: Not Classified – Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (Single Exposure): Not Classified – Based on available data, the classification criteria are not met.

Aspiration Hazard: Not Classified – Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

LC50 fish	>100 mg/l Oncorhynchus mykiss-OECD 203
EC50 Daphnia	>100 mg/l OECD 202
EC50 Other Aquatic Organisms 2	>1000 mg/l 3h – Activated sewage sludge – OECD 209
ErC50 (alga)	>14 mg/l Desmodesmus subspicatus – OECD201
NOEC (acute)	14 mg/l Desmodesmus subspicatus – OECD201

12.2 Persistence and degradability

Not relevant for inorganic substances

12.3 Bioaccumulative potential

Does not bioaccumulate

12.4 Mobility in soil

Not Applicable

SECTION 13: DISPOSABLE CONSIDERATIONS

13.1 Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations

SECTION 14: TRANSPORT INFORMATION

In accordance with DOT, not regulated for transport and not classified as dangerous in the meaning of transport regulations

SECTION 15: REGULATOR INFORMATION

Precipitated Calcium Carbonate (471-34-1) is listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.