

# Twin Pro Industrial Safety Data Sheet

## 1.) IDENTIFICATION:

**Product Identifier:** **Floor Max**  
**Other Means of Identification:** None  
**Product Use and Restriction on Use:** **Powdered Floor Degreaser**  
**Initial Supplier Identifier:** Twin Industrial Holdings Ltd.  
O/A Twin Pro Industrial  
3203 Giffen Road North  
Lethbridge, AB  
T1H 0E8  
1 (403) 329-4878  
**Prepared by:** Twin Pro Industrial  
1-403-329-4878  
**Emergency Phone:** CANUTEC at 1-613-996-6666

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## 2.) HAZARDS IDENTIFICATION

**GHS-Classification**  
Serious Eye Damage/Irritation Category 2

**Physical Hazards**  
No known physical hazards

**Signal Word**  
Warning

**Hazard Statements**  
H319 - Causes Serious eye irritation

### **Pictograms**



**Precautionary Statements**  
P264 - Wash hands thoroughly after handling  
P280 - Wear eye protection and face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: get medical advice/attention.

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## 3.) COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight</u>	<u>Unique Identifiers</u>
Sodium Carbonate	497-19-8	70 – 85%	none known

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## 4.) FIRST AID MEASURES

**Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. Seek medical attention.

**Skin Contact/Absorption:** Remove contaminated clothing. Wash affected area with soap and water for 5 minutes. Seek medical attention. Completely decontaminate clothing, shoes, and leather goods before re-use or discard.

**Eye Contact:** Contact lenses should never be worn when working with this product. Flush immediately with water for at least 30 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. DO NOT delay irrigation or attempt to remove the lens until flushing is done. Seek immediate medical attention.

**Ingestion:** If irritation or discomfort occurs, obtain medical advice.

**Additional Information:** While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities, and vesicular skin reactions in humans with abraded skin only. Treatment is symptomatic and supportive.

## **5.) FIRE – FIGHTING MEASURES**

**Suitable Extinguishing Media:** Product does not burn. Use appropriate extinguishing media for material that is supplying the fuel to the fire.

**Unsuitable Extinguishing Media:** Not Available

**Specific Hazards Arising From The Chemical:** Corrosive fumes of sodium oxide, carbon monoxide and carbon dioxide are formed in a fire. Sodium carbonate slowly begins to decompose into corrosive sodium oxide and carbon dioxide at 400°C. Closed containers may rupture violently when heated.

**Special Protective Equipment And precautions for Fire-Fighters:** Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

**Additional Information:** Not Available

## **6.) ACCIDENTAL RELEASE MEASURES**

**Personal Precautions/ Protective Equipment/ Emergency Procedures:** Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Remove chemicals that can react with the spilled material. If required, notify government occupational health and safety and environmental authorities.

**Environmental precautions:** Prevent from entering sewers, waterways or low areas.

**Methods and material for Containment and Cleaning Up:** Contain material. Shovel or sweep up for recycling or disposal. Neutralize final traces and flush area with water. Contain spilled solutions by diking with absorbent material, such as sand or earth. Solutions can be recovered or carefully diluted with water.

## **7.) HANDLING AND STORAGE**

**Precautions for Safe Handling:** This material is an EYE IRRITANT and CORROSIVE to aluminum. Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. Avoid generating dust.

**Conditions for Safe Storage:** Product is hygroscopic and tends to cake on storage. Store in a cool, dry well ventilated place. Keep container tightly closed away from acids and metals such as aluminum and magnesium.

## **8.) EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Exposure Limit(s)**

<b>Component</b>	<b>Regulation</b>	<b>Type of Listing</b>	<b>Value</b>
Sodium Carbonate	Not Available	Not Available	Not Available

### Engineering Control(s)

**Ventilation Requirements:** Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.

**Other:** Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

### Protective Equipment

**Eyes/Face:** Chemical safety goggles. A face shield may also be necessary.

**Hand Protection:** No specific requirement, but it is good practice to prevent skin contact.

**Skin and Body Protection:** No specific requirement, but it is good practice to prevent skin contact. Wash contaminated clothing and dry thoroughly before reuse.

**Respiratory Protection:** Respiratory protection is not normally required. If use creates dust formations, then a NIOSH approved respirator with a dust cartridge is recommended.

**Thermal Hazards:** Not Available

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## 9.) PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

**Physical State:** Solid, powder

**Color:** Light yellow

**Odor:** Light pine scent

**Odor Threshold:** Not available

### Property

**pH:** Not Available

**Melting Point/Freezing Point:** Not Available

**Initial Boiling Point and Boiling Range:** Not Available

**Flash Point:** Not Applicable

**Evaporation rate:** Negligible

**Flammability:** Non-Flammable

**Upper Flammable Limit:** Not Applicable

**Lower Flammable Limit:** Not Applicable

**Vapor Pressure:** Not Applicable

**Vapor Density:** Not Applicable

**Solubility (ies):** 212.5 g/L water @ 20°C. Soluble in glycerol, insoluble in ethanol and acetone.

**Partition coefficient: n-octanol/water:** Not Applicable

**Auto-ignition Temperature:** Not Applicable

**Decomposition Temperature:** >400°C

**Viscosity:** Not Applicable

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## 10.) STABILITY AND REACTIVITY

**Reactivity:** Reacts with water vapor above 400°C to form sodium hydroxide and carbon dioxide.

**Stability:** Stable. Absorbs moisture and carbon dioxide from the air to form sodium bicarbonate.

**Possibility of Hazardous Reactions:** Not Available

**Conditions to Avoid:** Generation of dust.

**Incompatible Materials:** Acids, ammonia, silver nitrate, aluminum, calcium hypochlorite, sodium hydrogen sulfate. Starch, fluorine, phosphorus pentoxide, lithium, nitromethane, phosphorus trichloride, magnesium, 2,4,6-trinitrotoluene.

**Hazardous Decomposition Products:** Corrosive fumes of sodium oxide, carbon monoxide and carbon dioxide are formed in a fire.

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## **11.) TOXICOLOGICAL PROPERTIES**

### **Acute Toxicity**

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>Inhalation LC<sub>50</sub></b>
Sodium Carbonate	2800 mg/kg (Rat)	>2000 mg/kg (rat)	400 mg/m <sup>3</sup> (guinea pig, 4hr) 1200 mg/m <sup>3</sup> (mouse, 2 hr)

### **Chronic Toxicity – Carcinogenicity**

<b>Component</b>	<b>IARC</b>
Sodium Carbonate	Not considered to be a carcinogenic by IARC, NTP, ACGIS and OSHA

<b>Skin Corrosion/Irritation:</b>	Sodium carbonate moistened with water is a mild irritant. No to very mild irritation was observed when it was applied dry.
<b>Ingestion:</b>	Low acute oral toxicity. May cause nausea, vomiting, diarrhea, irritation, and stomach ache.
<b>Inhalation:</b>	May cause upper respiratory tract irritation.
<b>Serious eye Damage/Irritation:</b>	Can cause serious eye damage. Capable of producing severe eye burns, permanent injury including blindness.
<b>Respiratory or Skin Sensitization:</b>	Not known to be a respiratory or skin sensitizer.
<b>Germ Cell Mutagenicity:</b>	Not known to be a mutagen.
<b>Reproductive Toxicity:</b>	No risk of developmental or reproductive toxicity.
<b>STOT-Single Exposure:</b>	Due to its alkaline properties, an irritation of the respiratory tract is possible.
<b>STOT-Repeated Exposure:</b>	Not Available
<b>Aspiration Hazard:</b>	Not Available
<b>Synergistic Materials:</b>	Not Available

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## **12.) ECOLOGICAL INFORMATION**

### **Ecotoxicity**

<b>Component</b>	<b>Toxicity to Algae</b>	<b>Toxicity to Fish</b>	<b>Toxicity to Daphnia and Other Aquatic Invertebrates</b>
Sodium Carbonate	EC <sub>50</sub> (Diatom, 96hr): 242 mg/L	LC <sub>50</sub> (Gambusia affinis, 96hr) 740mg/L LC <sub>50</sub> (Lepomis macrochirus, 24hr): 167mg/L	LC <sub>50</sub> (Daphnia magna, 24hr): 196mg/L
<b>Biodegradability:</b>	Not Available		
<b>Bioaccumulation:</b>	Low potential for bioaccumulation		
<b>Mobility:</b>	Not Available		
<b>Other Adverse Effects:</b>	Not Available		

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## **13.) DISPOSAL CONSIDERATIONS**

<b>Waste From Residues/ Unused Products:</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
<b>Contaminated Packaging:</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

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#### **14.) TRANSPORT INFORMATION**

<b>UN:</b>	Not Regulated
<b>UN Proper Shipping Name:</b>	Not Regulated
<b>Transportation Hazard Class:</b>	Not Regulated
<b>Packing Group:</b>	Not Regulated
<b>Environmental Hazards:</b>	Not listed as a marine pollutant under Canadian TDG Regulations, Schedule III
<b>Special Precautions:</b>	Not Available
<b>Transport in Bulk:</b>	Not Available
<b>Other:</b>	Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

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#### **15.) REGULATORY INFORMATION**

**Note:** The product listed on this SDS has been classified in accordance with the hazard criteria of the controlled products regulations. This SDS contains all the information required by those regulations.

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#### **16.) PREPARATION AND OTHER INFORMATION**

Preparation Date: Feb 2, 2017  
Revised Date: Feb 2, 2017

**USE THIS NUMBER IN CASE OF DANGEROUS GOODS EMERGENCY:  
CANUTEC (613) 996-6666**

**Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.**

**Attention: Receiver of the chemical goods / SDS Coordinator**

Twin Industrial Holdings Ltd. and its associated companies require, as a condition of sale, that you forward the attached safety Data Sheet(s) to all affected employees, customers, and end-users.

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