

Twin Pro Industrial Safety Data Sheet

1.) IDENTIFICATION:

Product Name: TWP109 Ultra Brite
Other Means of Identification: None
Product Use and restrictions on use: Powdered Laundry Soap
Initial Supplier Identifier: Twin Industrial Holdings Ltd.
O/A Twin Pro Industrial
3203 Giffen Road North
Lethbridge, AB
T1H 0E8
403-329-4878
Prepared by Twin Pro Industrial
Emergency Phone CANUTEC at 1-613-996-6666

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

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.

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 - 90 | Not Available |

4.) FIRST AID MEASURES

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

Skin Contact: Remove contaminated clothing. Wash affected area with soap and water for 5 minutes. If irritation persists, repeat flushing and 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. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. If a contact lens is present, 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 media appropriate for surrounding 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. pH Up 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.

Further Information: Not Available

6.) ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures Wear appropriate 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 Do not allow material to enter sewers or water systems.

Methods and Materials For Containment and Cleaning Up Contain material. Shovel or sweep up dry pH 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.

7.) HANDLING AND STORAGE

Precautions for Safe Handling This material is an eye irritant and corrosive to aluminum. 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 AND PERSONAL PROTECTION

| Exposure Limit(s) | | | |
|--------------------------|-------------------|------------------------|--------------|
| Component | Regulation | Type of Listing | Value |
| Sodium Carbonate | Not Established | | |

Engineering Control(s)

| | |
|------------------------------------|--|
| Ventilation Requirements | Provide exhaust ventilation to keep airborne levels below recommended exposure limits |
| Other | Emergency shower and eyewash should be available and texted in accordance with regulations and be in close proximity. |
| <u>Protective Equipment</u> | |
| 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. No special footwear is required other than what is mandated at place of work. |
| 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 |

9.) PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|-----------------------|--|
| Physical State | Crystalline solid, powder. Grains or lumps |
| Color | White with blue flakes |
| Odor | Odorless |
| Odor Threshold | Not Applicable |

Property

| | |
|---|----------------------------|
| pH | 12.5 |
| Melting Point/Freezing Point | 851°C |
| Initial Boiling Point /boiling range | Not Applicable. Decomposes |
| Flash Point | Not Applicable |
| Evaporation Rate | Negligible |
| Flammability | Non-Flammable |
| Upper Flammable Limit | Not Applicable |
| Lower Flammable Limit | Not Applicable |
| Vapor Pressure(mm Hg, 20°C) | Not Applicable |
| Vapor Density (Air=1) | Not Applicable |
| Relative Density | Not Available |
| Solubility(ies) | 212.5 g/L water at 20°C |
| Partition Coefficient: n-octanol/water | Not Applicable |
| Auto-ignition Temperature | Not Applicable |
| Decomposition Temperature | >400°C |
| Viscosity | Not Applicable |

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 | None known |
| 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.

11.) TOXICOLOGICAL PROPERTIES

Acute Toxicity

| Component | Oral LD₅₀ | Dermal LD₅₀ | Inhalation LC₅₀ |
|------------------|-----------------------------|-------------------------------|--|
| Sodium Carbonate | 2800 mg/kg (rat) | >2000 mg/kg (rat) | 400 mg/m ³ (guinea pig, 4 hr) |

Chronic Toxicity – Carcinogenicity

| Component | IARC |
|------------------|--|
| Sodium Carbonate | Not considered to be carcinogenic by IARC, NTP, ADBIH and OSHA |

Skin Corrosion/Irritation Sodium carbonate moistened with water is a mild irritant. No to very mild irritation was observed when it was applied dry.

Ingestion Low acute oral toxicity. May cause nausea, vomiting, diarrhea, irritation, and stomach ache

Inhalation May cause upper respiratory tract irritation.

Serious Eye Damage/Irritation Can cause serious eye damage. Capable of producing severe eye burns, permanent injury including blindness.

Respiratory or skin Sensitization Not known to be a respiratory or skin sensitizer.

Germ Cell Mutagenicity Not known to be a mutagen.

Reproductive Toxicity No risk of developmental or reproductive toxicity.

STOT-Single Exposure Do to its alkaline properties, an irritation of the respiratory tract is possible.

STOT-Repeated Exposure Not Available

Aspiration Hazard Not Available

Synergistic Materials Not Available

12.) ECOLOGICAL INFORMATION

Ecotoxicity

| Component | Toxicity to Algae | Toxicity to Fish | Toxicity to Daphnia and Other Aquatic Invertebrates |
|------------------------------|---|---|--|
| Sodium Carbonate | EC ₅₀ (Diatom, 96hr): 242 mg/L | LC ₅₀ (Lepomis macrochirus, 24 hr): 167 mg/L | LC ₅₀ (Daphnia magna, 24hr): 196 mg/L |
| Biodegradability | Not Available. | | |
| Bioaccumulation | Low potential for bioaccumulation. [Low Kow <4] | | |
| Mobility | Not available | | |
| Other Adverse Effects | Not available | | |

13.) DISPOSAL CONSIDERATIONS

| | |
|--|---|
| Waste from Residues/ Unused Products. | Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act. |
| Contaminated Packaging | Dispose in accordance with all federal, provincial and/or local regulations including the Canadian Environmental Protection Act. |

14.) TRANSPORT INFORMATION

| | |
|-----------------------------------|--|
| UN | Not Regulated |
| UN Proper Shipping Name | Not Regulated |
| Transport Hazard Class(es) | Not Regulated |
| Packing Group | Not Regulated |
| Environmental Hazards | Not listed as a marine pollutant under Canadian TDG Regulations Schedule III. |
| Special Precautions | Not Available |
| Transport in Bulk | Not Available |
| <u>TDG</u> | |
| Other | 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. |

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.

16.) OTHER INFORMATION

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|------------------|-------------|
| Preparation Date | Feb 2, 2017 |
| Revised Date | Feb 2, 2017 |

**USE THIS NUMBER IN CASE OF DANGEROUS GOODS EMERGENCY:
CANUTEC 1 (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.