

Safety Data Sheet
Inferno Powder

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Inferno Powder
PRODUCT CODE: p303
RECOMMENDED USE: Drain and Sewer Compound
RESTRICTIONS ON USE: None known.
COMPANY NAME: QuestSpecialty Corporation
COMPANY ADDRESS: P.O. Box 624, Brenham, TX 77834
COMPANY PHONE: 800-231-0454
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Oxidizing Solids: Category 1
Acute Toxicity, Oral: Category 3
Acute Toxicity, Dermal: Category 3
Acute Toxicity, Inhalation: Category 4
Skin Corrosive: Category 1A
Eye Damage: Category 1

HAZARD STATEMENT(S): DANGER: May cause fire or explosion; strong oxidizer. Toxic if swallowed. Toxic in contact with skin. Harmful if inhaled. Causes severe skin burns and eye damage.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Wear fire/flame resistant/retardant clothing. If on clothing: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye protection and face protection. Use only outdoors or in a well-ventilated area. Do not breathe dusts or mists. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center or doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents and container in accordance with local, state and federal regulations.

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Sodium hydroxide	1310-73-2	70-80%
Sodium nitrate	7631-99-4	5-10%
Aluminum	7429-90-5	5-10%

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

INGESTION: Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Seek immediate medical attention.

INHALATION: Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek immediate medical attention.

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SKIN: Immediately wash contaminated skin with plenty of water. If wearing goggles flush head and face thoroughly keeping eyes and mouth closed before removing goggles. Remove contaminated clothing under the shower. This washing may be followed with a rinse with vinegar or dilute acetic acid (3% solution) if available. If skin feels slippery, caustic may be present in sufficient quantities to cause rash or burn, continue washing until slippery feeling is gone. Wash contaminated clothing and footwear before reuse. Discard any that cannot be decontaminated. Get medical attention.

ACUTE HEALTH HAZARDS: Causes severe burns. If ingested, may cause burns in the mouth and throat, burning sensation in the throat and chest and may cause nausea and vomiting. May cause respiratory irritation and central nervous system (CNS) depression.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation.

NOTE TO PHYSICIAN: The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Thermal decomposition can lead to the release of toxic/corrosive gases and vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contains oxidizer. Contact with combustible materials will not cause spontaneous ignition, however, sodium nitrate will enhance an existing fire.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, various hydrocarbons. Alkaline vapors in fire.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Eliminate all sources of ignition. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains, and natural waterways. Place waste in proper containers for disposal.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

RCRA STATUS: Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from heat, open flames, or other sources of ignition. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Store in a cool, dry area. Do not allow material to contact strong acids, aluminum or other incompatible materials. Replace cap on container after each use. Keep away from children. Wear protective clothing when using.

OTHER PRECAUTIONS: Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong acids, leather, wool, aluminum, zinc, tin and alloys. Nitrocarbons and halocarbons. Acetaldehyde, acrolein, chlorine trifluoride, maleic anhydride, phosphorus pentoxide, tetrahydrofuran, and hydroquinone.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Sodium hydroxide	2 mg/m ³	2 mg/m ³
Sodium nitrate	Not Established	Not Established
Aluminum	15 mg/m ³	1 mg/m ³

ENGINEERING CONTROLS / VENTILATION: General ventilation recommended.

RESPIRATORY PROTECTION: If used as a spray or airborne, respirator may be needed. Wear NIOSH approved respirator.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, face shield, protective gloves, and synthetic apron.

ADDITIONAL MEASURES: Wash hands immediately after use. Do not get on clothes or skin.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White/Red Powder
ODOR: No distinct odor
ODOR THRESHOLD: N/D
pH: >13.5 (13 in a 1% solution)
MELTING POINT/FREEZING POINT: N/D
INITIAL BOILING POINT AND BOILING RANGE: 253 °F (123 °C)
FLASH POINT: N/D
EVAPORATION RATE: N/D
FLAMMABILITY(solid/gas): Not considered a flammable solid by OSHA (29CFR 1910.1200)
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:
 LOWER FLAMMABILITY LIMIT: N/D
 UPPER FLAMMABILITY LIMIT: N/D
 EXPLOSIVE LIMIT LOWER (%): N/D
 EXPLOSIVE LIMIT UPPER (%): N/D
VAPOR PRESSURE (mm Hg): Negligible
VAPOR DENSITY (AIR=1): N/D
RELATIVE DENSITY (H₂O=1): N/D
SOLUBILITY(IES): 100% water
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D
AUTOIGNITION TEMPERATURE: N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: Chemically active metals and acids.
CHEMICAL STABILITY: Stable.
POSSIBLE HAZARDOUS REACTIONS: None known.
CONDITIONS TO AVOID: Do not mix with strong acids.
INCOMPATIBLE MATERIALS: Strong acids, leather, wool, aluminum, zinc, tin and alloys. Nitrocarbons and halocarbons.
 Acetaldehyde, acrolein, chlorine trifluoride, maleic anhydride, phosphorus pentoxide, tetrahydrofuran, and hydroquinone.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas, sodium oxides.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **Sodium hydroxide** (1310-73-2): LD₅₀ (Oral, Rabbit) 400 mg/kg.
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes severe irritation, burning, redness, tearing, pain, may cause lens or corneal damage.
INGESTION: Causes chemical burns, damage to mouth and esophagus with gastrointestinal irritation, nausea, vomiting.
INHALATION: Causes irritation to the respiratory tract, upper respiratory damage
SKIN: Causes irritation, absorbed, may cause burns if left on skin.
MEDICAL CONDITION AGGRAVATED: May aggravate pre-existing medical conditions.
ACUTE HEALTH HAZARDS: Causes severe burns. If ingested, may cause burns in the mouth and throat, burning sensation in the throat and chest and may cause nausea and vomiting. May cause respiratory irritation and central nervous system (CNS) depression.
CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation.
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: This material is toxic to aquatic life. Avoid release to the environment.
PERSISTENCE AND DEGRADABILITY: No additional information available.
BIOACCUMULATIVE POTENTIAL: No additional information available.
MOBILITY IN SOIL: N/D
OTHER ADVERSE EFFECTS: None known.

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SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse container and recycle or place in trash collection. Drums and pails should be offered for recycling.

RCRA STATUS: Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Corrosive solids, n.o.s. (Sodium hydroxide)

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1759

PACKING GROUP: II

AIR SHIPMENT

PROPER SHIPPING NAME: Corrosive solid, n.o.s. (Sodium hydroxide)

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1759

PACKING GROUP: II

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Corrosive solid, n.o.s. (Sodium hydroxide)

HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1759

PACKING GROUP: II

ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Sodium hydroxide (1310-73-2)

Reporatable Quantity = 1,000 lbs

SARA 311/312 HAZARD CATEGORIES: Oxidizer (liquid, solid or gas) Acute toxicity (any route of exposure). Skin corrosion or irritation. Serious eye damage or eye irritation.

SARA 313 REPORTABLE INGREDIENTS: Aluminum (fume or dust) (7429-90-5)

STATE REGULATIONS: California Proposition 65: None.

INTERNATIONAL REGULATIONS: No information available.

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

NFPA HEALTH: 3

HMIS HEALTH: 3

NFPA FLAMMABILITY: 0

HMIS FLAMMABILITY: 0

NFPA REACTIVITY: 2

HMIS REACTIVITY: 2

NFPA OTHER: None

HMIS PROTECTION: D

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Roberto Cerón

DATE PREPARED: 08/22/2013

REVISION DATE: 09/07/2021

N/A = Not Applicable; N/D = Not Determined

DISCLAIMER: To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the

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conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.