

SECTION I – PRODUCT IDENTIFICATION

Identity:	POWDER DETERGENT/DISINFECTANT
Brands:	#120 DETERGENT DISINFECTANT NSN 6840-01-367-2914
Manufacturer Name and Address:	Meterpak Inc., 1270 Fewster Drive, Mississauga, ON L4W 1A4 Canada Tel: (905) 624-3066
Chemical Class:	Quaternary
Transportation Emergency (24 hour) Telephone Number – CHEMTREC: 1-800-424-9300 – U.S. and Canada; 1-703-527-3887 – for calls originating elsewhere	

SECTION II – HAZARDS IDENTIFICATION

Product is packed in water soluble pouches. Direct contact with powder unlikely under normal conditions. However, under upset or unusual conditions:

GHS Serious eye damage/irritation – Category 2A

Classification: Skin Irritation/corrosion – Category 1C

Acute oral toxicity – Category 4

DANGER!

May be corrosive to eyes. Causes skin burns. May be harmful if swallowed. Keep out of reach of children.

Potential Health Hazards (Acute and Chronic): (See Section 11 for more information)

Eyes: May cause irreversible eye damage.

Skin: Inhalation of dust of the product may be irritating to the respiratory system.

Inhalation: Causes skin burns.

Ingestion: Harmful if swallowed.

SECTION III – COMPOSITION AND INGREDIENTS

<u>Components:</u>	<u>CAS No.</u>	<u>Percent</u>
_Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	7.95
_Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	7.95

SECTION IV – FIRST AID INFORMATION

First Aid Procedures:

Eye Contact: Promptly wash eyes with plenty of water while lifting the eyelids. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately. Obtain medical attention and take along these instructions.

Skin Contact: For skin contact flush with large amounts of water. If irritation persists get medical attention. Immediately take off all contaminated clothing. Wash separately before reuse.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Call a physician or Poison Control Center immediately. Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Notes to physician: If the product is ingested, probably mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

SECTION V – FIRE FIGHTING MEASURES

Flash Point: >201 °F (>93.9 °C) PMCC

Extinguishing media:

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Protection of Firefighters:

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so.
Methods For Containment:	Prevent entry into waterways, sewers, basements or confined areas.
Methods For Cleaning Up:	Wear appropriate protective equipment and clothing during clean-up. Use broom or dry vacuum to collect for proper disposal without raising dust. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION VII – HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. Wash hands thoroughly after handling. Avoid breathing dust of this product. Do not handle pouches with wet hands.
Storage:	DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. KEEP OUT OF REACH OF CHILDREN.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.
Personal Protective Equipment:	Product is sold in water-soluble pouches, direct contact is unlikely. Do not handle with wet hands. However, under upset or unusual conditions:
Eye/Face Protection:	Wear chemical goggles. Face-shield.
Skin Protection:	Wear suitable protective clothing. Use impervious gloves.
Respiratory Protection:	If ventilation is not sufficient to effectively prevent buildup of dusts, appropriate NIOSH/MSHA respiratory protection must be provided.

SECTION IX – PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Yellow powder
pH:	6.5 – 10.5 @ 1% Aqueous Solution
Flash Point:	> 201 °F (>93.9°C) PMCC
Evaporation Rate:	Estimated slower than ethyl ether.
Vapor Pressure:	Not determined or unknown
Vapor Density:	Estimated heavier than air.
RVOC:	0%
Bulk Density:	42 lb/ft ³

SECTION X – STABILITY AND REACTIVITY

Chemical Stability:	Stable at normal conditions
Incompatible Materials:	Strong oxidizing agents Anionic surfactants
Hazardous Decomposition Products:	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
Possibility Of Hazardous Reactions:	Will not occur.

SECTION XI – TOXICOLOGICAL INFORMATION

Product is sold in water-soluble pouches, direct contact is unlikely. However, under upset or unusual conditions:

Signs and Symptoms of Exposure:

Eye Contact: Eye contact with the product or its aqueous solution may cause irreversible eye damage.

Skin Contact: Skin contact with the product or its aqueous solution may cause skin burns.

Inhalation: Heavy exposure to dust may be irritating to the respiratory system.

Ingestion: Harmful if swallowed.

Medical Conditions Generally Known to be Aggravated by Exposure: None known.

Toxicity Of Components:

Sodium Carbonate	LD ₅₀ (Oral Rat) = 1900 mg/kg
Sodium Sulfate	LD ₅₀ (Oral Rat) = 5010 mg/kg
Alcohols, Ethoxylated	LD ₅₀ (Oral Rat) = 5100 mg/kg
Urea	LD ₅₀ (Oral Rat) = 8471-1300 mg/kg

Carcinogenicity

IARC Monographs, Overall Evaluation of Carcinogenicity:

_Silicon dioxide (CAS 7631-86-9) 3 Not classified as to carcinogenicity to humans.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicological data Components	Test Results
_ Sodium Carbonate (497-19-8)	EC50 Water flea (Ceriodaphnia dubia): 298.9-298.9 mg/l 48 hours LC50 Bluegill (Lepomis macrochirus): 300 mg/l 96 hours
_ Urea (57-13-6)	EC50 Water flea (Daphnia magna): 3910 mg/l 48 hours LC50 Gian gourami (Colisa fasciata): 5 mg/l 96 hours
_ Alcohols (C12-15 Ln. saturated) ethoxylated (68131-39-5)	EC50 Water flea (Ceriodaphnia dubia): 0.43 – 0.43 mg/l 48 hours LC50 Rainbow trout, Donaldson trout (Oncorhynchus mykiss): 1.3 – 1.3 mg/l 96 hours
_ Sodium sulfate (7757-82-6)	EC50 Water flea (Ceriodaphnia dubia): 2807 – 3535 mg/l 48 hours LC50 Striped bass (Morone saxatilis): 56 mg/l 96 hours

SECTION XIII – DISPOSAL CONSIDERATIONS

Disposal Instructions: All wastes must be handled in accordance with local, state and federal regulations. Dispose of contents/container in accordance with local/regional/national/international regulations. Regulations vary.

SECTION XIV – TRANSPORT INFORMATION

Ground Transport (US DOT): Not regulated

SECTION XV – REGULATORY INFORMATION

US federal regulations	This product is a U.S. EPA registered pesticide.	
Reportable Quantity	There is no calculable reportable quantity (RQ) for this product.	
CERCLA (Superfund) reportable quantity	None	
Superfund Amendments and Reauthorization Act of 1986 (SARA)		
Section 302 extremely hazardous substance	No	
Section 311 hazardous chemical	No	
Inventory status		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No
* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)		
State regulations		
US – New Jersey RTK – Substances: Listed substance		
_Silicon dioxide (CAS 7631-86-9)	Substance No. 1655	
US – Pennsylvania RTK – Hazardous Substances: Listed substance		
_Silicon dioxide (CAS 7631-86-9)	Listed.	
_Sodium sulfate (CAS 7757-82-6)	Listed.	

SECTION XVI – OTHER INFORMATION

Further Information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 3 Flammability: 1 Physical Hazard: 0 Personal Protection: X
NFPA ratings	Health: 3 Flammability: 1 Instability: 0
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