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SECTION I – PRODUCT IDENTIFICATION

Identity:	SANITIZER
Brands:	#124 SANITIZER
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 Classification:	Serious eye damage/irritation – Category 1 Skin Irritation/corrosion – Category 1 Acute oral toxicity – Category 3 DANGER! May be corrosive to eyes. May cause skin burns. Toxic if swallowed. Hazardous to aquatic environment. 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:	May cause skin burns.
Inhalation:	Inhalation of dust of the product may be irritating to the respiratory system.
Ingestion:	Harmful if swallowed.

SECTION III – COMPOSITION AND INGREDIENTS

<u>Components:</u>	<u>CAS No.</u>	<u>Percent</u>
Urea	57-13-6	40-70
_Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	20
_Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	20

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:	White powder
pH:	8.0 – 9.0 @ 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:	34.3 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 may cause irreversible eye damage.
 Skin Contact: Skin contact with the product 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:

Urea	LD ₅₀ (Oral Rat) = 8471-14300 mg/kg
Alkyl dimethyl ethylbenzyl ammonium chloride	LD ₅₀ (Oral Rat) = 500-5000 mg/kg
Alkyl dimethyl benzyl ammonium chloride	LD ₅₀ (Oral Rat) = 500-5000 mg/kg

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.
Persistence and degradability	Readily biodegradable
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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.
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SECTION XIV – TRANSPORT INFORMATION

Ground Transport: Limited Quantity

SECTION XV – REGULATORY INFORMATION

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. This product is a U.S. EPA registered pesticide.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard Categories	Immediate Hazard – Yes
SARA 302 Extremely hazardous substance	No
SARA 311/312 Hazardous chemical	Yes
US State regulations	
US. California Proposition 65	This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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
Disclaimer	Data supplied is for use only in connection with occupational safety and health. This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Meterpak Inc. to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of the material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Meterpak Inc. assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.