


1. Identification

Product identifier	Sani-Pak Toilet Deodorant 3x Clear Concentrate	
Other means of identification		
Part Number	SP-97000C3X55, (Formula: LB-97000M3XC)	
Recommended use	Cleaning agent.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Supplier		
Company name	ITW Permatex Canada	
Address	2360 Bristol Circle, Ste 101 Oakville, ON Canada L6H 6M5 Canada	
Telephone	1-800-241-8334	
Manufacturer		
Company name	Celeste Industries Corporation	
Address	8007 Industrial Park Rd Easton, Maryland 21601 (USA)	
Telephone	+1-410-822-5775	
Email	info@celestecorp.com	
In Case of Emergency	CHEMTREC (24 hours) within USA and CANADA 1-800-424-9300 Outside USA and Canada (collect call accepted) 1-703-527-3883	
Supplier	Not available.	

2. Hazard identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Reproductive toxicity (fertility, the unborn child)	Category 1B
Environmental hazards	Not classified.	
Label elements		

Signal word	Danger
Hazard statement	Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May damage fertility. May damage the unborn child.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	Store locked up.

Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental information	3% of the mixture consists of component(s) of unknown acute oral toxicity. % of the mixture consists of component(s) of unknown acute dermal toxicity. 25.5% of the mixture consists of component(s) of unknown acute inhalation toxicity.
Other hazards	None known.

3. Composition/information on ingredients

Mixtures			
Chemical name	Common name and synonyms	CAS number	%
Bronopol		52-51-7	18
Octylphenol polyethoxyethanol		9036-19-5	5 - 10
Hexylcinnamaldehyde		101-86-0	3 - 7
C8-10 Alkyl alcohol ethoxylate (4EO), phosphate ester		68130-47-2	1 - 5
Sodium benzoate		532-32-1	0.5 - 1.5
Sodium N-(2-carboxyethyl)-n-dodecyl-.beta.-alaninate		14960-06-6	0.5 - 1.5
Sodium nitrate		7631-99-4	0.5 - 1.5
4-tert-butylcyclohexanol Acetate		32210-23-4	0.1 - 1
Citral		5392-40-5	0.1 - 1
Orange Terpenes		68647-72-3	0.1 - 1
Tetramethyl Acetyloctahydronaphthalenes		54464-57-2	0.1 - 1
Butylphenyl Methylpropional		80-54-6	0.2
Other components below reportable levels			58.06

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Alcohol resistant foam. Powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Environmental precautions

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. Do not taste or swallow. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

Components	Type	Value	Form
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.

Canada. Ontario OELs (Regulation 833, Control of Exposure to Biological or Chemical Agents), as amended

Components	Type	Value	Form
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Canada - British Columbia OELs: Skin designation

Citral (CAS 5392-40-5) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

Citral (CAS 5392-40-5) Danger of cutaneous absorption
Sodium benzoate (CAS 532-32-1) Danger of cutaneous absorption

Canada - Ontario OELs: Skin designation

Citral (CAS 5392-40-5) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Citral (CAS 5392-40-5) Danger of cutaneous absorption
Sodium benzoate (CAS 532-32-1) Danger of cutaneous absorption

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Observe any medical surveillance requirements. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Light yellow.

Odor Not established.

Odor threshold Not available.

pH > 1.5 - < 2

Melting point/freezing point 32 °F (0 °C)

Initial boiling point and boiling range 212 °F (100 °C) estimated

Flash point Non-flammable.

Evaporation rate Not available.

Flammability (solid, gas) Non-flammable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Non-flammable.

Explosive limit - upper (%) Non-flammable.

Vapor pressure Property has not been measured.

Vapor density Property has not been measured.

Relative density > 0.9 - < 1.1

Solubility(ies)

Solubility (water) Soluble in water.

Partition coefficient (n-octanol/water) Not applicable.

Auto-ignition temperature Not applicable.

Decomposition temperature Not applicable.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Kinematic viscosity Property has not been measured.

Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Harmful if swallowed.

Product	Species	Test Results
Sani-Pak Toilet Deodorant 3x Clear Concentrate		
Acute		
Dermal		
ATEmix		4400 mg/kg bw
Oral		
ATEmix		1700 mg/kg bw
Components	Species	Test Results
4-tert-butylcyclohexanol Acetate (CAS 32210-23-4)		
Acute		
Oral		
LD50	Rat	3400 mg/kg
Bronopol (CAS 52-51-7)		
Acute		
Dermal		
LD50	Rat	1600 mg/kg
Inhalation		
<i>Dust</i>		
LC50	Rat	0.12 - 1.1000000000000001 mg/l, 4 Hours
Oral		
LD50	Rat	310 mg/kg
Butylphenyl Methylpropional (CAS 80-54-6)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rat	1400 mg/kg
Citral (CAS 5392-40-5)		
Acute		
Dermal		
LD50	Rabbit	2300 mg/kg
Oral		
LD50	Rat	5000 mg/kg
Hexylcinnamaldehyde (CAS 101-86-0)		
Acute		
Oral		
LD50	Rat	3100 mg/kg
Sodium benzoate (CAS 532-32-1)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours

Components	Species	Test Results
Inhalation		
<i>Dust</i>		
LC50	Rat	> 12000 mg/m3, 4 Hours
Oral		
LD50	Rat	3500 mg/kg
Sodium N-(2-carboxyethyl)-n-dodecyl-.beta.-alaninate (CAS 14960-06-6)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Oral		
LD50	Rat	> 10000 mg/kg
Sodium nitrate (CAS 7631-99-4)		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg, 24 Hours
Oral		
LD50	Rat	1300 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye damage.	
Respiratory or skin sensitization		
ACGIH sensitization		
Citral, inhalable fraction and vapor (CAS 5392-40-5)	Dermal sensitization	
Canada - Manitoba OELs Hazard: Dermal sensitization		
Citral (CAS 5392-40-5)	Dermal sensitization	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	May cause an allergic skin reaction.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Not classifiable as to carcinogenicity to humans.	
ACGIH Carcinogens		
Citral (CAS 5392-40-5)	A4 Not classifiable as a human carcinogen.	
Sodium benzoate (CAS 532-32-1)	A5 Not suspected as a human carcinogen.	
Canada - Manitoba OELs: carcinogenicity		
Citral (CAS 5392-40-5)	Not classifiable as a human carcinogen.	
Sodium benzoate (CAS 532-32-1)	Not suspected as a human carcinogen.	
Reproductive toxicity	May damage fertility. May damage the unborn child.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful.	

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Octylphenol polyethoxyethanol (CAS 9036-19-5)		
Aquatic		
<i>Acute</i>		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)
		7.2 mg/l, 96 hours

Components	Species	Test Results
Sodium benzoate (CAS 532-32-1)		
Aquatic		
<i>Acute</i>		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) > 100 mg/l, 96 hours
Sodium nitrate (CAS 7631-99-4)		
Aquatic		
<i>Acute</i>		
Fish	LC50	Chinook salmon (<i>Oncorhynchus tshawytscha</i>) 937.7 - 1054 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Citral	3.45
Sodium benzoate	-2.27

Mobility in soil Not established.

Other adverse effects None known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

TDG

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-BROMO-2-NITRO-1,3-PROPANEDIOL, Octylphenol polyethoxyethanol)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	E3
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (2-BROMO-2-NITRO-1,3-PROPANEDIOL, Octylphenol polyethoxyethanol)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes.
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

UN number	UN3082
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UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(2-BROMO-2-NITRO-1,3-PROPANEDIOL, Octylphenol polyethoxyethanol), MARINE POLLUTANT

Transport hazard class(es)

Class 9

Subsidiary risk -

Packing group III

Environmental hazards

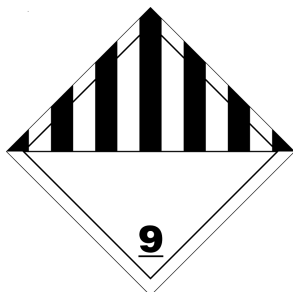
Marine pollutant Yes

EmS F-A, S-F

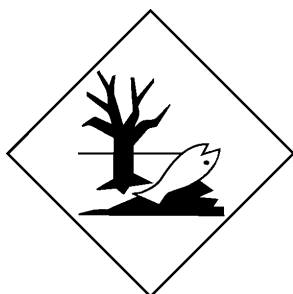
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This product is not intended to be transported in bulk.

IATA; IMDG; TDG



Marine pollutant



General information IMDG Regulated Marine Pollutant.

15. Regulatory information

Canadian regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date 05-16-2022

Revision date 05-24-2023

Version # 03

References ECHA registered substances database

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Celeste Industries cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

Revision information Composition / Information on Ingredients: Disclosure Overrides
Toxicological information: Aspiration hazard
Transport Information: Material Transportation Information
GHS: Classification