SAFETY DATA SHEET



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 | 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 | |

2. Hazard(s) 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. | |
| OSHA defined 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 must 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. | |
| Hazard(s) not otherwise classified (HNOC) | None known. | |
| 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. | |

3. Composition/information on ingredients

| Chemical name | Common name and synonyms | CAS number | % |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| propane-1,2-diol | <u> </u> | 57-55-6 | 20 - 25 |
| 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-dodecylt -alaninate | peta. | 14960-06-6 | 0.5 - 1.5 |
| Sodium nitrate | | 7631-99-4 | 0.5 - 1.5 |
| 4-tert-butylcyclohexanol Acetat | e | 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 repor | table levels | | 35.56 |
| 4. First-aid measures | | | |
| nhalation | Move to fresh air. Call a physician if symptom | is 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. | | |
| | C C | | |
| Eye contact | Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Ge | t medical attention immediate | ely. |
| Eye contact ngestion | Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Ge Rinse mouth. If vomiting occurs, keep head to Get medical advice/attention if you feel unwel | t medical attention immediate ow so that stomach content d ll. | ely. oesn't get into the lui |
| - | Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Ge Rinse mouth. If vomiting occurs, keep head lo | t medical attention immediate ow so that stomach content d ll. stinging, tearing, redness, sw dness could result. Skin irritat | ely. Desn't get into the lui Velling, and blurred |
| ngestion Nost important symptoms/effects, acute and lelayed ndication of immediate nedical attention and special | Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Ge Rinse mouth. If vomiting occurs, keep head to Get medical advice/attention if you feel unwel Severe eye irritation. Symptoms may include vision. Permanent eye damage including blind | t medical attention immediate bw so that stomach content d ll. stinging, tearing, redness, sw dness could result. Skin irritat . Dermatitis. Rash. at symptomatically. Keep vict | ely. oesn't get into the lui velling, and blurred tion. May cause redr |
| ngestion Nost important symptoms/effects, acute and lelayed ndication of immediate | Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Ge Rinse mouth. If vomiting occurs, keep head to Get medical advice/attention if you feel unwel Severe eye irritation. Symptoms may include vision. Permanent eye damage including blind and pain. May cause an allergic skin reaction Provide general supportive measures and tre | t medical attention immediate bw so that stomach content d ll. stinging, tearing, redness, sw dness could result. Skin irritat . Dermatitis. Rash. at symptomatically. Keep vict ed. e/attention. If you feel unwell, medical personnel are aware nselves. Show this safety dat | ely. oesn't get into the lu velling, and blurred tion. May cause redr im warm. Keep victir seek medical advice of the material(s) |
| ngestion Most important symptoms/effects, acute and lelayed ndication of immediate nedical attention and special reatment needed General information | Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Ge Rinse mouth. If vomiting occurs, keep head to Get medical advice/attention if you feel unwell Severe eye irritation. Symptoms may include vision. Permanent eye damage including blind and pain. May cause an allergic skin reaction Provide general supportive measures and tre under observation. Symptoms may be delayed IF exposed or concerned: Get medical advice (show the label where possible). Ensure that involved, and take precautions to protect ther | t medical attention immediate bw so that stomach content d ll. stinging, tearing, redness, sw dness could result. Skin irritat . Dermatitis. Rash. at symptomatically. Keep vict ed. e/attention. If you feel unwell, medical personnel are aware nselves. Show this safety dat | ely. oesn't get into the lu velling, and blurred tion. May cause redr im warm. Keep victir seek medical advice of the material(s) |
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| A dost important A dost important symptoms/effects, acute and lelayed ndication of immediate nedical attention and special reatment needed General information 5. Fire-fighting measures Suitable extinguishing media Jnsuitable extinguishing nedia Specific hazards arising from he chemical Special protective equipment and precautions for firefighters Fire fighting | Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Ge Rinse mouth. If vomiting occurs, keep head lo Get medical advice/attention if you feel unwell Severe eye irritation. Symptoms may include vision. Permanent eye damage including blind and pain. May cause an allergic skin reaction Provide general supportive measures and tre under observation. Symptoms may be delayed IF exposed or concerned: Get medical advice (show the label where possible). Ensure that involved, and take precautions to protect ther attendance. Wash contaminated clothing before Alcohol resistant foam. Powder. Carbon dioxi Do not use water jet as an extinguisher, as the During fire, gases hazardous to health may be Self-contained breathing apparatus and full p | t medical attention immediate by so that stomach content de ll. stinging, tearing, redness, sw dness could result. Skin irritat . Dermatitis. Rash. at symptomatically. Keep vict ed. e/attention. If you feel unwell, medical personnel are aware nselves. Show this safety dat ore reuse. de (CO2). is will spread the fire. e formed. rotective clothing must be wo so without risk. | ely. Desn't get into the lu velling, and blurred tion. May cause redr im warm. Keep victin seek medical advice of the material(s) a sheet to the docto |

6. Accidental release measures

| o. Additional release meas | | | |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 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. | | |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. | | |
| 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

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

| US. ACGIH Threshold Limi | t Values (TLV) | | |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------|
| Components | Туре | Value | Form |
| Citral (CAS 5392-40-5) | TWA | 5 ppm | Inhalable fraction and vapor. |
| - | ironmental Exposure Level (WEEL) | | _ |
| Components | Туре | Value | Form |
| propane-1,2-diol (CAS 57-55-6) | TWA | 10 mg/m3 | Aerosol. |
| Biological limit values | No biological exposure limits noted | for the ingredient(s). | |
| Exposure guidelines | | | |
| US ACGIH Threshold Limit | Values: Skin designation | | |
| Citral (CAS 5392-40-5) Sodium benzoate (CAS | | nger of cutaneous absorption nger of cutaneous absorption | |
| Appropriate engineering controls | Good general ventilation should be applicable, use process enclosures maintain airborne levels below reco established, maintain airborne level shower. | s, local exhaust ventilation, or ot ommended exposure limits. If ex | her engineering controls to posure limits have not been |
| Individual protection measures | s, such as personal protective equip | ment | |
| Eye/face protection | Wear safety glasses with side shiel | lds (or goggles) and a face shie | ld. |
| Skin protection | | | |
| Hand protection | Wear appropriate chemical resistar | nt gloves. | |
| Other | Wear appropriate chemical resistar | nt clothing. Use of an imperviou | s apron is recommended. |
| Respiratory protection | In case of insufficient ventilation, we | ear suitable respiratory equipme | ent. |
| · · · | | | |

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. |
| рН | > 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 exp | losive 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 | vision. Permanent eye damage including blindness could result. Skin irritation. May cause | | |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------|--|
| Information on toxicological eff | formation on toxicological effects | | |
| Acute toxicity | Harmful if swallowed. | | |
| Product | Species | Test Results | |
| Sani-Pak Toilet Deodorant 3x Clea | | | |
| 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 malka | |
| | Rat | 1600 mg/kg | |
| Inhalation <i>Dust</i> | | | |
| LC50 | Rat | 0.12 - 1.100000000000001 mg/l, 4 Hours | |
| Oral | | | |
| LD50 | Rat | 310 mg/kg | |
| Butylphenyl Methylpropional (CAS 80-54-6) | | | |
| <u>Acute</u> | | | |
| 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 101-8 | 36-0) | | |
| <u>Acute</u> | | | |
| Oral LD50 | Rat | 3100 mg/kg | |
| | Nat | 3100 mg/kg | |
| propane-1,2-diol (CAS 57-55-6) <u>Acute</u> | | | |
| Oral | | | |
| LD50 | Rat | 21000 - 34000 mg/kg | |
| Sodium benzoate (CAS 532-32-1) | | | |
| <u>Acute</u> | | | |
| Dermal | Pabhit | > 2000 mg/kg 24 Hours | |
| LD50 | Rabbit | > 2000 mg/kg, 24 Hours | |
| Inhalation <i>Dust</i> | | | |
| LC50 | Rat | > 12000 mg/m3, 4 Hours | |
| | | | |

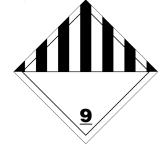
| Components | Species | Test Results |
|-----------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|
| Oral | | |
| LD50 | Rat | 3500 mg/kg |
| Sodium N-(2-carboxyethyl)-n-dod | ecylbetaalaninate (CAS 1496 | 0-06-6) |
| Acute | | |
| Dermal | Det | > 2000 mg///gr 24 Hours |
| LD50 | Rat | > 2000 mg/kg, 24 Hours |
| Oral LD50 | Rat | > 10000 mg/kg |
| Sodium nitrate (CAS 7631-99-4) | Nat | > 10000 mg/kg |
| 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 | Causes serious eye damage. | |
| irritation | | |
| Respiratory or skin sensitizatio | n | |
| ACGIH sensitization | | |
| | and vapor (CAS 5392-40-5) | Dermal sensitization |
| Respiratory sensitization | Not a respiratory sensitizer. | |
| Skin sensitization | May cause an allergic skin re | |
| Germ cell mutagenicity | No data available to indicate mutagenic or genotoxic. | product or any components present at greater than 0.1% are |
| Carcinogenicity | Not classifiable as to carcino | jenicity to humans. |
| ACGIH Carcinogens | | |
| Citral (CAS 5392-40-5) Sodium benzoate (CAS | | Not classifiable as a human carcinogen. A4 Not suspected as a human carcinogen. A5 |
| Not listed. | Evaluation of Carcinogenicity | |
| OSHA Specifically Regulate | ed Substances (29 CFR 1910.1 | 001-1053) |
| ••• | ogram (NTP) Report on Carcin | ogens |
| Not listed. | May damaga fartility May day | nose the unbern shild |
| Reproductive toxicity Specific target organ toxicity - | May damage fertility. May dar Not classified. | naye the unborn child. |
| single exposure | | |
| 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 | |
| Components | Species | Test Results |
| Octylphenol polyethoxyethan | oi (CAS 9036-19-5) | |
| Aquatic | | |
| <i>Acute</i> Fish | LC50 Rainbow trout (Oncorhynchu | ,donaldson trout 7.2 mg/l, 96 hours s mykiss) |
| | | |

| Components | | Species | Test Results |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------|
| propane-1,2-diol (CAS 57-55- | 6) | | |
| Aquatic | | | |
| Acute | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | > 10000 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 710 mg/l, 96 hours |
| Sodium benzoate (CAS 532-3 | 32-1) | | |
| Aquatic | | | |
| Acute | | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | > 100 mg/l, 96 hours |
| Sodium nitrate (CAS 7631-99 | -4) | | |
| Aquatic | | | |
| Acute | | | |
| Fish | LC50 | Chinook salmon (Oncorhynchus tshawytscha) | 937.7 - 1054 mg/l, 96 hours |
| Persistence and degradability | No data is ava | ilable on the degradability of any ingredien | ts in the mixture. |
| Bioaccumulative potential | | | |
| Partition coefficient n-octan | ol / water (log l | Kow) | |
| Citral | | , 3.45 | |
| propane-1,2-diol | | -0.92 | |
| Sodium benzoate | Net establishe | -2.27 | |
| Mobility in soil | Not establishe | a. | |
| Other adverse effects | ts None known. | | |
| 13. Disposal consideration | ns | | |
| Disposal instructions | | claim or dispose in sealed containers at lic ainer in accordance with local/regional/nati | |
| Local disposal regulations | Dispose in acc | cordance 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 | | | |
| DOT | | | |
| UN number | UN3082 | | |
| UN proper shipping name | Environmental | lly hazardous substances, liquid, n.o.s. (2- blyethoxyethanol), MARINE POLLUTANT | BROMO-2-NITRO-1,3-PROPANEDIOL, |
| Transport hazard class(es) | | | |
| Class | 9 | | |
| Subsidiary risk | - | | |
| Label(s) Packing group | 9 | | |
| Environmental hazards | | | |
| Marine pollutant | | | |

| Packing group | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Environmental hazards | |
| Marine pollutant | Yes |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Special provisions | 8, 146, 335, IB3, T4, TP1, TP29 |
| Packaging exceptions | 155 |
| Packaging non bulk | 203 |
| Packaging bulk | 241 |
| ΙΑΤΑ | |
| 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 | - |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental hazards | Yes. |
| ERG Code | 9L |
| Special precautions for user Other information | Read safety instructions, SDS and emergency procedures before handling. |
| Passenger and cargo aircraft | Allowed with restrictions. |
| Cargo aircraft only | Allowed with restrictions. |
| IMDG | |
| UN number | UN3082 |
| 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 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Read safety instructions, SDS and emergency procedures before handling. This product is not intended to be transported in bulk. |

DOT; IATA; IMDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

All components of the mixture on the TSCA 8(b) inventory are designated "active".

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

| SARA 311/312 Hazardous chemical | Yes |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classified hazard categories | Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization Reproductive toxicity |

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.

(SDWA)

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Butylphenyl Methylpropional (CAS 80-54-6) Octylphenol polyethoxyethanol (CAS 9036-19-5)

US. New Jersey Worker and Community Right-to-Know Act

propane-1,2-diol (CAS 57-55-6)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

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, including date of preparation or last revision

| 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 |