

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Trade name : SANI-PAK Powder  
Part number : (E)SP-77000 Series  
Formula : SP/77000/4

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Deodorizer.

#### 1.4. Details of manufacturer or importer

##### Supplier

Celeste Industries Corporation  
8007 Industrial Park Road  
Easton, Maryland 21601 USA  
T 1-410-822-5775  
[info@celestecorp.com](mailto:info@celestecorp.com) - [www.celestecorp.com](http://www.celestecorp.com)

##### Distributor

Boeing Distribution Australia Pty Ltd  
20-22 Lindaway Place Tullamarine, Vic 3043  
T 61-3-9339-3000 / 61-3-9338-9773  
[prc@boeing.com](mailto:prc@boeing.com)

#### 1.5. Emergency phone number

Emergency number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300;  
Outside USA and Canada (collect call accepted): 1-703-527-3883

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 3	H311
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



GHS05 Corrosion      GHS06 Skull and crossbones

Signal word (GHS AU) : Danger  
Contains : 2-Bromo-2-nitro-1,3-propanediol (10 – 15 %); Sodium nitrate (1 – 3 %)  
Hazard statements (GHS AU) : H302 - Harmful if swallowed  
H311 - Toxic in contact with skin  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
Precautionary statements (GHS AU) : P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing

# SANI-PAK Powder

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

protection.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P330 - Rinse mouth.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition and information on ingredients

Name	CAS-No.	%
2-Bromo-2-nitro-1,3-propanediol	52-51-7	10 – 15
Sodium nitrate	7631-99-4	1 – 3
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates	68130-47-2	0.1 < 1
Other substances (not contributing to the classification of this product)	-	to 100%

## SECTION 4: First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a POISON CENTER/doctor if you feel unwell.

### 4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Toxic in contact with skin. Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Medical attention and special treatment

Other medical advice or treatment	: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
-----------------------------------	--

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

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

# SANI-PAK Powder

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Unsuitable extinguishing media : Do not use water jet.

### 5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapours.

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Collect spillage. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and materials for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

No additional information available

### 8.2. Biological Monitoring

No additional information available

### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

# SANI-PAK Powder

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection	: Wear eye/face protection
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Blue
Odour	: Pleasant
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: 60 °C / 140 °F
Boiling point	: No data available
Flash point	: > 93 °C / 199.4 °F
Auto-ignition temperature	: Not applicable
Flammability	: No data available
Vapour pressure	: Vapour pressure: Refer to component values below
Relative density	: No data available
Density	: Relative density: 0.57
Solubility	: Soluble in water.
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising
Explosive limits	: No data available
Minimum ignition energy	: No data available
Fat solubility	: No data available
Burning time (s)	: >180 Seconds (Test O.1 Test for oxidizing solids, 4:1 Sani-Pak Powder/Cellulose)
Burning time (s)	: >180 Seconds (Test O.1 Test for oxidizing solids, 1:1 Sani-Pak Powder/Cellulose)

### SECTION 10: Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat. Incompatible materials.
Incompatible materials	: Strong oxidizers.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon.

### SECTION 11: Toxicological information

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Toxic in contact with skin.
Acute toxicity (inhalation)	: Not classified.

# SANI-PAK Powder

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

SANI-PAK Powder	
ATE AU (oral)	1158.472 mg/kg bodyweight
ATE AU (dermal)	333.333 mg/kg bodyweight

2-Bromo-2-nitro-1,3-propanediol (52-51-7)	
LD50 oral rat	180 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 5 g/m <sup>3</sup> (Exposure time: 6 h Source: NLM_CIP)

Sodium nitrate (7631-99-4)	
LD50 oral rat	1267 mg/kg (Source: JAPAN_GHS)
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.

2-Bromo-2-nitro-1,3-propanediol (52-51-7)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified.

Sodium nitrate (7631-99-4)	
NOAEL (oral, rat, 90 days)	≥ 1500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard	: Not classified.
-------------------	-------------------

SANI-PAK Powder	
Viscosity, kinematic	Not applicable
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye

## SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

### 12.1. Ecotoxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.
Other information	: No other effects known.

2-Bromo-2-nitro-1,3-propanediol (52-51-7)	
EC50 - Crustacea [1]	1.4 mg/l Test organisms (species): Daphnia magna
LOEC (chronic)	0.88 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

# SANI-PAK Powder

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

2-Bromo-2-nitro-1,3-propanediol (52-51-7)	
NOEC chronic fish	21.5 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '49 d'
Partition coefficient n-octanol/water	0.22 (at 24 °C (at pH 7))
Sodium nitrate (7631-99-4)	
LC50 - Fish [1]	2000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
LC50 - Fish [2]	994.4 – 1107 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
Partition coefficient n-octanol/water	-3.8 (at 25 °C)

### 12.2. Persistence and degradability

SANI-PAK Powder	
Persistence and degradability	Not established.
Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates (68130-47-2)	
Persistence and degradability	Rapidly degradable
2-Bromo-2-nitro-1,3-propanediol (52-51-7)	
Persistence and degradability	Rapidly degradable
Sodium nitrate (7631-99-4)	
Persistence and degradability	Rapidly degradable

### 12.3. Bioaccumulative potential

SANI-PAK Powder	
Bioaccumulative potential	Not established.
2-Bromo-2-nitro-1,3-propanediol (52-51-7)	
Partition coefficient n-octanol/water	0.22 (at 24 °C (at pH 7))
Sodium nitrate (7631-99-4)	
Partition coefficient n-octanol/water	-3.8 (at 25 °C)

### 12.4. Mobility in soil

2-Bromo-2-nitro-1,3-propanediol (52-51-7)	
Partition coefficient n-octanol/water	0.22 (at 24 °C (at pH 7))
Sodium nitrate (7631-99-4)	
Partition coefficient n-octanol/water	-3.8 (at 25 °C)

### 12.5. Other adverse effects

Ozone : Not classified.  
Other adverse effects : No additional information available

SANI-PAK Powder	
Fluorinated greenhouse gases	False
Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates (68130-47-2)	
Fluorinated greenhouse gases	False
2-Bromo-2-nitro-1,3-propanediol (52-51-7)	
Fluorinated greenhouse gases	False

# SANI-PAK Powder

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### Sodium nitrate (7631-99-4)

Fluorinated greenhouse gases

False

## SECTION 13: Disposal considerations

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimised wherever possible.

## SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
Special provision(s) applied : 375	Exemption under IMDG code 2.10.2.7	Special provision(s) applied : A197
<b>14.1. UN number</b>		
Not regulated for transport		
<b>14.2. UN Proper Shipping Name</b>		
Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>		
Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>		
Not regulated	Not regulated	Not regulated

### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available.

#### Transport by road and rail

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status : Contains substance(s) listed on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

# SANI-PAK Powder

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

### Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

## 15.2. International agreements

No additional information available

## SECTION 16: Other information

Revision date : 11/1/2024  
Expiry date : 11/1/2029  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



Classification	
Acute Tox. 4 (Oral)	H302
Acute Tox. 3 (Dermal)	H311
Skin Irrit. 2	H315
Eye Dam. 1	H318

Full text of H-statements	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H272	May intensify fire; oxidiser
H302	Harmful if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

Safety Data Sheet (SDS), Australia - Nexreg 2024

# SANI-PAK Powder

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

---

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.