



Elite Dry Pac™

Conforms to HCS 2012 - United States

Compliant SDS for GHS - Canada WHMIS 2015



SAFETY DATA SHEET

Elite Dry Pac™

Section 1. Identification

GHS product identifier: Elite Dry Pac™

Product Code: 5582

Other means of identification: See section 3 for details on ingredients.

Product type: Powder Blend.

Relevant identified uses of the substance or mixture and uses advised against.

Identified uses: Cavity embalming powder.

Advised against: Not used for food, drug, pesticide or biocidal use.

Supplier's details:

Genelyn Canada/North America/Asia Inc.
4741 County Road 45
Baltimore, Ontario K0K 1C0
Building #4, Unit 5&6
Phone: 1-905-376-3108
Toll Free number: 1-833-GENELYN (436-3596)

Emergency telephone (with hours of operation): For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887 CCN 854033 (24/7)

Section 2. Hazard(s) Identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture: FLAMMABLE SOLIDS – Category 2
ACUTE TOXICITY (oral) – Category 4
ACUTE TOXICITY (inhalation) – Category 4
SKIN CORROSION/IRRITATION – Category 2
SERIOUS EYE DAMAGE/IRRITATION – Category 1
SKIN SENSITIZER – Category 1
CARCINOGENICITY – Category 1A
REPRODUCTIVE TOXICITY – CATEGORY 1B
SPECIFIC TARGET ORGAN TOXICITY (single exposure) – Category 3
TARGET ORGANS – RESPIRATORY SYSTEM

Section 2. Hazard(s) Identification

GHS Label Elements: Hazard Pictograms



Signal Word: **DANGER**

Hazard Statements:

- H228 – Flammable solid.
- H302 + H332 – Harmful if swallowed or if inhaled.
- H315 – Causes skin irritation.
- H317 – May cause an allergic skin reaction.
- H318 – Causes serious eye damage.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 – May cause respiratory irritation.
- H336 – May cause drowsiness or dizziness.
- H350 – May cause cancer.
- H360 – May damage fertility or the unborn child.

Precautionary Statements

Prevention:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof [electrical / ventilating / lighting /...] equipment.
- P261: Avoid breathing dust / fume / gas / mist / vapors / spray.
- P264: Wash hands thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P285: In case of inadequate ventilation wear respiratory protection.

Response:

- P301 + P312: IF SWALLOWED: call a POISON CENTRE or doctor.
- P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P308 + P313: IF exposed or concerned: Get medical advice / attention.
- P312: Call a POISON CENTRE / doctor if you feel unwell.
- P321: Specific treatment (see information on this label).
- P330: IF SWALLOWED rinse mouth.
- P332 + P313: If skin irritation occurs: Get medical advice / attention.
- P333 + P313: If skin irritation or rash occurs: Get medical advice / attention.
- P337 + P313: If eye irritation persists: Get medical advice / attention.
- P362 + P364: Take off contaminated clothing and wash it before reuse.
- P370 + P378: In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.



Section 2. Hazard(s) Identification

Storage: P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.

Disposal: P501: Dispose of contents and container in accordance with local / national regulations.

Section 3. Composition/information on ingredients

Substance / mixture: Mixture.

Other means of identification: Not available.

Ingredient name	%(w/w)	CAS#
Paraformaldehyde	45 – 70	30525-89-4
Boric acid	15 - 40	10043-35-3

United States: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Canada: The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with the amended HPR as of April 2018.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence do not require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4: First-Aid Measures

Description of necessary first-aid measures

Eye contact: Small amounts lodged into the eyes can cause irreversible tissue damage and blindness. Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.

Inhalation: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes / dusts are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.



Section 4: First-Aid Measures

Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms / effects, acute and delayed

Potential acute health effects

Eye contact: Causes serious eye damage.

Inhalation: Harmful if inhaled. Causes damage to organs following a single exposure if inhaled. May cause respiratory irritation.

Skin contact: May cause an allergic skin reaction. Causes skin irritation.

Ingestion: Harmful if swallowed.

Over-exposure signs / symptoms

Eye contact: Adverse symptoms may include the following:
Severe irritation / burning.
Tearing.

Inhalation: Adverse symptoms may include the following:
Respiratory tract irritation.
Inflammation of the lining of nasal sinuses, throat, and lungs.
Headache.
Dizziness.
Tiredness.
Nausea.
Vomiting.

Skin contact: Adverse symptoms may include the following:
Redness and swelling.
Contact dermatitis.

Ingestion: Adverse symptoms may include the following:
Irritation to mouth, throat, and stomach.
Stomach pains.
Gastrointestinal problems.



Section 4: First-Aid Measures

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 5: Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing media: Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical:

Hazardous thermal decomposition products: Decomposing products may include the following:
Formaldehyde gas.
Carbon monoxide.
Carbon dioxide.
Hydrogen chloride.

Special protective actions for firefighters: Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Remove all sources of ignition. Keep container closed when not in use.

Environmental precautions: Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. See Section 12 for additional ecological information.

Methods and materials for containment and cleaning up: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools and equipment during the cleanup process. Avoid dust formation. Contain and absorb spilled mixture with non-combustible, inert absorbent material (e.g., sand), then place absorbent material into a container for later disposal (see section 13). Contact the proper local authorities.



Section 7: Handling and Storage

Precautions for safe handling: Keep container tightly closed. Only handle in a well-ventilated area. Do not eat, drink, or smoke when using this product. Take precautions avoid contact with skin and eyes. Wash thoroughly after handling. Avoid dust formation. Avoid breathing vapors, mist, or gas. Avoid breathing dust. Avoid all sources of ignition. For precautions see section 2.

Conditions for safe storage: Keep locked up or in an area accessible only to qualified or authorized persons. Store in cool place. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabeled containers. Keep container tightly closed.

Incompatible materials:

- Strong oxidizing agents
- Strong bases
- Strong acids

Section 8. Exposure controls/personal protection

Exposure limits:

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	Supplier
Paraformaldehyde	No Established Limit	No Established Limit	No Established Limit	N/A
Boric acid	Total Dust: 15mg/m3 Respirable Dust: 5mg/m3	No Established Limit	TWA 2mg/m3 STEL 6mg/m3	No Established Limit

Appropriate Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures:

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.



Section 8. Exposure controls/personal protection

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be always worn when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Not necessary when area is properly ventilated.

Section 9. Physical and chemical properties

Appearance

Physical state: Powder.

Color: Light pink.

Odor: Pungent aromatic.

Odor threshold: Not available.

pH: Not available.

Melting/freezing point: Not available:

Initial boiling point and boiling range: Not available.

Flash point: Not available.

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Lower and upper explosive (flammable) limits: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Relative density: Not available.

Solubility: Not available.



Section 9. Physical and chemical properties

Solubility in water: Not available.

Partition coefficient: n-octanol/water: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not available.

Flow time (ISO 2431): Not available.

Section 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients. Not normally reactive.

Chemical stability: Stable at normal ambient temperature and when used as recommended.

Possibility of hazardous reactions: Hazardous polymerization does not occur unless strong oxidizing agents are present.

Conditions to avoid: Avoid exposure to high temperatures or direct sunlight. Avoid generation of dust/airborne particulates.

Incompatible materials: Avoid contact with strong oxidizing agents, strong reducing agents. Acids. Alkalis.

Hazardous decomposition products: Does not decompose when used and stored as recommended.

Section 11. Toxicological information

Information on toxicological effects:

Product/Ingredient name	Result	Species	Dose	Exposure
Paraformaldehyde	LD50 Oral	Rat	592 mg/kg	No data available
	LD50 Dermal	Rat	10,000 mg/kg	No data available
	LC50 Inhalation Vapor	Rat	1,070 mg/m3	4hr
Boric acid	LD50 Oral	Rat	3500-4100 mg/kg	No data available
	LD50 Dermal	Rabbit	2000mg/kg	No data available
	LC50 Inhalation Dust	Rat	>2.03 mg/L	4hr



Section 11. Toxicological information

Carcinogen data:

Product/Ingredient name	Source	Value
Paraformaldehyde	IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
	NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
	OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Boric acid	IARC ACGIH NTP OSHA	Not listed. Not listed. Not listed. Not listed.

Specific target organ toxicity (single exposure)

Product/Ingredient name	Category	Route of Exposure	Target organs
Paraformaldehyde	3	Inhalation	Respiratory system
Boric Acid	-	-	-



Section 11. Toxicological information

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	-	Not applicable.
Acute toxicity (inhalation)	4	Harmful if inhaled.
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	-	Not applicable.
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	-	Not applicable.
Carcinogenicity	1A	May cause cancer.
Reproductive toxicity	1B	May damage fertility. May damage the unborn child.
STOT-single exposure	3	May cause respiratory irritation.
STOT-repeated exposure	-	Not applicable.
Aspiration hazard	-	Not applicable.

Section 12: Ecological Information

Product/Ingredient name	Result	Species	Dose	Exposure
Paraformaldehyde	LC50 fish EC50 crustacean ErC50 algae	Not available Not available Not available	Not available Not available Not available	Not available Not available Not available
Boric acid	LC50 fish EC50 crustacean ErC50 algae	Gambusia affinis Daphnia magna Not available	5600 mg/L 115 - 153 mg/L Not available	96hr 48hr Not available

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: There is no data available.

Other adverse effects: There is no data available.



Section 13: Disposal considerations

Waste treatment methods: Observe federal, state, provincial and local regulations when disposing of this substance.

Section 14: Transport information

General: This product mixture is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN number: Not Applicable.

UN Proper Shipping Name: Not applicable.

Transport hazard class/es: No transport warning sign required.

Packing Group: Not applicable.

Section 15: Regulatory information

Canadian Environmental Protection ACT (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

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

US Federal Information: TSCA: All listed ingredients appear on the TSCA inventory

Section 16: Other information

History

Date of issue/Date of revision: 2/9/2022.

Date of previous issue: -

Version: 1

Prepared by: Genelyn Canada/North America/Asia.

Key to abbreviations:

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road



ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
("Marpol" = marine pollution)

N/A = Not available

RID = European Agreement concerning the International Carriage of Dangerous Goods by Rail

SGG = Segregation Group

UN = United Nation

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