

FV Tech Nano
399 Four Valley Drive, Unit 22A
Concord, Ontario, L4K-5Y7
Canada
905-738-3986

PRODUCT: Gamma-nano Car Deodorizer - 120g

CODE: AD-710059

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Item Numbers..... AD-710059
Product Identity..... Gamma-nano Car Deodorizer - 120g
Manufactured for..... Empack Spraytech Inc.
98 Walker Drive
Brampton
Ontario
Canada
L6T 4H6
905-792-6571
24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.
Recommended Use..... Eliminates vehicle odours.
Consumer Commodity..... Yes.

Section 02: HAZARDS IDENTIFICATION



Signal Word..... WARNING.
Hazard Statement..... Contains gas under pressure; may explode if heated. May be harmful if swallowed. May be harmful if inhaled .
Precautionary Statements:
Prevention..... Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response..... IF INHALED: Remove person to fresh air and keep comfortable for breathing .
Storage..... Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F .
Disposal..... Dispose of contents/ container in accordance with local/regional/national/international regulations.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Dimethyl Ether	115-10-6	30-60
Titanium Dioxide	13463-67-7	0.1-1
Peroxotitanium acid	905310-10-3	0.1-1

Section 04: FIRST AID MEASURES

Eye Contact..... Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.
Skin Contact..... Wash thoroughly with soap and lukewarm water.
Ingestion..... Do not induce vomiting, get medical attention.
Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance. If breathing is difficult, give oxygen and get medical attention. Do not give adrenaline, epinephrine or similar drugs following exposure to this product.
Additional Information..... Note to the doctor; treat symptomatically.

Section 05: FIRE FIGHTING MEASURES

Flammability Class..... Non-flammable (but contains flammable gas).
Conditions..... Excessive heat, sparks and open flame.
Fire and Explosion Hazards..... May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products. Thermal decomposition products are toxic and may include carbonyl halides, Hydrofluoric Acid and oxides of carbon.
Extinguishing Media..... Wear NIOSH approved self-contained breathing apparatus or equivalent and full protective gear. Use water spray to cool fire-exposed containers in order to prevent pressure build up.
Sensitivity to Mechanical Impact..... Not expected to be sensitive.
Sensitivity to Static Discharge..... Not expected to be sensitive.

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Section 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions.....	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
Emergency Procedures.....	Ensure that all sources of ignition are eliminated near the spilled material. Wipe up with a damp cloth. Rinse the cloth thoroughly and allow to dry before laundering.
Environmental Precautions.....	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
Methods and Materials used for Containment	Contain the spill. Clean up the spill area with detergent and water. Once spilled material has been collected, use rags or other suitable material to clean spill area. Rags should be properly disposed of.

Section 07: HANDLING AND STORAGE

Handling.....	Keep out of reach of children. Do not puncture, burn or incinerate. Do not place near sources of heat. Keep from freezing.
Storage.....	Do not store in temperatures above 122°F (50°C).
Incompatibilities	Segregate storage away from materials indicated in Section 10.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye/Type.....	Safety glasses with side-shields.
Skin/Type.....	Not normally required. Use rubber or latex gloves when there is a potential for prolonged or excessive skin contact.
Respiratory/Type.....	Not normally required if good ventilation is maintained. NIOSH approved respirator recommended if vapours or mists are generated .
Engineering Controls.....	Good general ventilation should be used. Ventilation rates should be matched to conditions. Use local exhaust ventilation to maintain airborne levels below the Threshold Limit Value.

Exposure Limits

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Dimethyl Ether	1000 ppm (8hrs)	Not available	Not available	Not available	Not available	Not available
Titanium Dioxide	10 mg/m3	Not established	15 mg/m3 Total dust	Not established	Not established	Not established
Peroxititanium acid	Not available	Not available	Not available	Not available	Not available	Not available

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State.....	Aerosol.
Physical Appearance.....	Off-Yellow .
Odor.....	Characteristic .
Odor Threshold (ppm).....	Not determined.
Specific Gravity (Liquid).....	0.980-1.020.
Specific Gravity (Aerosol).....	0.820-0.860.
Internal can pressure (psig).....	65-75.
Vapour Density (Air=1).....	Not available.
Evaporation Rate (n-Butyl Acetate = 1).....	Not available.
pH.....	7.5-8.5.
VOC Content.....	Not available.
Boiling Point liquid (°C).....	Not available.
Melting/Freezing Point (°C).....	Not available.
Solubility in water.....	Miscible in water.
Aerosol Flame Projection.....	Not applicable.
Flashback.....	None.
Flash Point (°C), Method.....	Closed cup: -41 °C (-42 °F).
Auto Ignition Temperature (Propellant), °C...	350 °C (662 °F).
Lower Flammable Limit (% Vol).....	3.3 .
Upper Flammable Limit (% Vol).....	26.2.
Coefficient of Water/Oil Distribution.....	Not available.
Viscosity.....	Water thin .

Section 10: STABILITY AND REACTIVITY

Reactivity Conditions.....	Product not reactive under normal conditions of use.
Stability.....	Stable at normal temperatures and pressures.
Hazardous Polymerization.....	Will not occur.
Conditions to Avoid.....	Avoid sources of heat and flame, and electrostatic charge.
Incompatibility.....	None known.
Hazardous Products of Decomposition.....	May form carbon dioxide and carbon monoxide, various hydrocarbons.

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Section 11: TOXICOLOGICAL INFORMATION

Route of Exposure..... Inhalation, Eye contact, and ingestion.
 Effects of Acute Exposure..... May cause eye irritation. Inhalation may cause respiratory tract irritation .
 Effects of Chronic Exposure..... No known adverse effects .
 Carcinogenicity of Material..... None known when used below acute toxicity limit.
 Reproductive Effects..... No information is available, and no adverse effects are expected.
 Teratogenicity..... No information is available, and no adverse effects are expected.
 Mutagenicity..... No information is available, and no adverse effects are expected.
 Toxicological Data

Ingredients	LC50	LD50
Dimethyl Ether	308 mg/L (4 hrs - rat)	Not available
Titanium Dioxide	Not available	>10,000 mg/kg (Rat,oral); >10,000 mg/m3 (Rabbit,dermal)
Peroxotitanium acid	Not available	Not available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicological Information..... Not established.
 Persistence and degradability No data available .
 Bioaccumulation Potential..... No data available.
 Other Adverse Effects..... Avoid release to the environment .

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

Section 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... AEROSOLS, Class 2.2, UN1950.
 DOT (US-Road)..... AEROSOLS, Class 2.2, UN1950, LTD QTY, Consumer Commodity ORM-D.
 IMDG (International- Marine)..... AEROSOLS, Class 2.2, UN1950.
 IATA (International- Air)..... AEROSOLS, Class 2.2, UN1950, LTD QTY .

Section 15: REGULATORY INFORMATION

Canada..... WHMIS Classification. A: Compressed gas. CPR (Canadian Controlled Product Regulations): All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the CPR and this SDS contains all information required by CPR. IDL (Canadian Ingredient Disclosure List): Component(s) of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List (section 03).
 USA..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200).

Section 16: OTHER INFORMATION

HMIS..... Health: 1 Fire: 3 Reactivity: 0 PPE: B.
 NFPA..... Health: 1 Fire: 3 Reactivity: 0 Special: - .
 Disclaimer..... The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Empack assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. 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. THIS SDS IS VALID FOR THREE YEARS.
 Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System.
 Prepared by Regulatory Affairs
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