SAFETY DATA SHEET

Creation Date 11-Sept-2023 **Revision Date** 11-Jan-2025 **Revision Number:02**

1.IDENTIFICATION

Product Name INOFLON® Fine Powder Virgin PTFE

Grades: GN7003, GN7005, GN7040, GN7045, GN7250, GN7150, GN7300, GN7002, GN7055, GN7001, GN7400, GN7010

Recommended Use Synthetic Resin, Fluoropolymers for Industrial Processing

Uses Advised Against No further relevant information available

Details of the Supplier of the Safety Data Sheet

Company
Gujarat Fluorochemicals Limited
12/A Dahej, GIDC, Industrial Estate
Dahej, Gujarat 392130, India

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Emergency Telephone Number

Company Phone Number	+91-2641-618031(Admin)/618086-87 (Security)
Emergency telephone number	+91-2641-618081 (SHE) / 618086-87 (Security)

2.Hazard(s) Identification

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

GHS Label elements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC)
The thermal decomposition vapors of fluorinated plastics may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco.

3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %
Polytetrafluoroethylene	9002-84-0	100

4. First aid measures

First-aid measures

Eye contact Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. If irritation still persists, call a poison control center or doctor for treatment advice.

Skin contact Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or rash develops, get medical attention.

Ingestion If swallowed, DO NOT induce vomiting. Get medical attention if irritation develop or persists.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If signs/symptoms continue, get medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects The most important known symptoms and effects are described in labelling (See section 2) and/or in section 11.

Indication of immediate medical attention and special treatment needed

Notes to physician Treat symptomatically and supportively.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media CO_2, Regular dry chemical, Alcohol-resistant foam, Water spray

Unsuitable extinguishing media None Known. Choice of extinguishing media should take into account surrounding areas.

Special hazards arising from the substance or mixture

Special Hazard Thermal decomposition can lead to release of toxic/irritating gases and vapor. Exposure to combustion products may be a hazard to health.

Hazardous combustion products Hydrogen fluoride, Carbonyl fluoride, potentially toxic fluorinated compound, aerosolized particulates, Carbon oxides

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. Keep storage containers cool with water spray. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Do not scatter spilled material with high-pressure water streams. Stay away from the ends of tanks. Apply water from a protected location or from a safe distance. Avoid inhalation of material or combustion by-products.

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NFPA Ratings

Health	Flammability	Instability	Physical/Hazard
0	1	0	N/A

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Wear personal protective clothing and equipment, see Section 8. Avoid contact with skin, eyes and clothing. Keep unprotected persons away. Do not eat, drink or smoke while using this product. Stop the spill, if possible, Remove all sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Keep people away from and upwind of spill/leak. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low area. Use respiratory protective device against the effects of fumes/dust/aerosol. Contain spilled material by diking or using inert absorbent. Transfer to a disposal or recovery container. Avoid release to the environment.

Environmental precautions Prevent from reaching lakes, streams, ponds and sewer drains. Dike to confine spill and absorb with an absorbent such as clay, sand or soil. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Methods for containment Sweep up or vacuum up spillage and collect in suitable container for disposal. Place in a suitable, labelled container for waste disposal. In case of large spill, dike if needed. Keep in suitable, closed containers for disposal. Wash area and prevent runoff into drains. Local authorities should be advised if significant spillages cannot be contained.

Reference to other sections Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

7. Handling and Storage

Precautions for safe handling

Handling Wear suitable personal Protective Equipment when handling and spraying. Avoid contact with skin and eyes. Minimize dry sweeping to avoid generation of dust clouds. Minimize airborne dust and eliminate all ignition sources. Do not breathe dust/fumes/ gas/mist/Vapours/spray. Ensure adequate ventilation. While using do not eat drink or smoke. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using toilet or applying cosmetics. Empty containers may contain hazardous residues. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Store locked up. Do not store material near food, feed or drinking water. Keep away from

heat and sources of ignition. Store away from incompatible material.

Incompatible materials Avoid storage with strong oxidizing agents

8. Exposure Controls/Personal Protection

Exposure Guidelines

Component	CAS Number	ACGIH	OSHA PEL	NIOSH IDLH
Polytetrafluoroethylene	9002-84-0	None	None	None

Legend
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health
TEEL: Temporary Emergency Exposure Limits

Engineering controls Ensure adequate ventilation, especially in confined areas. 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.

Personal protective equipment

Eye/Face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European StandardEN166.

Skin and body protection Wear impervious protective clothing, including boots, gloves, apron or coveralls, as appropriate, to prevent skin exposure.

Respiratory protection General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hygiene Measure Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance Solid White Granulate
Physical state Solid
Odor No characteristic odor
Color White

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Odor threshold No information available

Property	VALUES	Remarks/ Method
pH	No information available	
Melting point/freezing point	327-345 °C	
Boiling Point/Range	No information available	
Flash Point	Not Applicable	
flammability (solid, gas)	Product is not flammable	
Flammability or Explosive limit		
Upper	No information available	
Lower	No information available	
Density at 23 °C:	2.14-2.22 g/cm^3	
Relative density (Water = 1)	No information available	
Vapor density (Air = 1)	No information available	
Vapor pressure	No information available	
Water solubility	Immiscible	
Solubility in Other Solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	
decomposition temperature	No information available	
Viscosity	Not Applicable	

Oxidizing properties No information available
Explosive properties Product does not present an explosion hazard
Volatile component No information available

OTHER INFORMATION

Surface tension No information available
Softening point No information available
Voc g/L No information available

10. Stability and Reactivity

Reactivity

Stable under normal temperatures and pressures.

Chemical stability

Stable under recommended storage conditions. See Section (7)

Possibility of hazardous reaction

Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid

Wear suitable personal Protective Equipment when handling and spraying. Avoid contact with skin and eyes. Do not breathe dust. Ensure adequate ventilation. While using do not eat drink or smoke. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using toilet or applying cosmetics.

Incompatible Materials

Reacts with strong oxidizing agents: F2, OF2, ClF3 Reducing Agent: Elemental Sodium and Potassium Metal powders, like aluminum and magnesium, cause PTFE to combust at high temperatures.

Hazardous decomposition products

Thermal decomposition can lead to release of toxic/irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Hazardous decomposition products formed under fire conditions:
Hydrofluoric acid, Carbonyl fluoride, Carbon dioxide, Carbon monoxide

11. Toxicological Information

Information on Toxicological Effects

Acute Toxicity

Product Information

Oral LD 50	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg
Dermal LD 50	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg
Inhalation LD 50	Based on ATE data, the classification criteria are not met. ATE > 5 mg/l

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	Not classified based on available information
Sensitization	Not classified based on available information

Carcinogenicity

Component	CAS number	IARC	NTP	OSHA
Polytetrafluoroethylene	9002-84-0	Not Listed	Not Listed	Not Listed

Mutagenic effect	Not classified based on available information
Developmental effect	Not classified based on available information
Tetragonality	Not classified based on available information
STOT - Single Exposure	None Known
STOT - repeated exposure	None known
Aspiration hazard	No information available
Symptoms/effects, both acute and delayed	No information available
Endocrine Disruptor Information	No information available
Other adverse effect	No information available

12. Ecological Information

Ecotoxicity

No data available.

Component Toxicity

Component	CAS number	LC50 – Fish	EC50 – Daphnia	EC50-Alga
Polytetrafluoroethylene	9002-84-0	No data available	No data available	No data available

Persistence and Degradability

No information available for product.

Bioaccumulative Potential

No information available.

Other Adverse Effects

No information available.

13. Disposal Considerations

Waste Treatment Methods

Waste Disposal Method	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT (US)	Not regulated as dangerous goods
IMDG/IMO	Not regulated as dangerous goods
IATA/ICAO	Not regulated as dangerous goods

15. Regulatory Information

Safety, health and environmental regulations / legislation specific for the substance or mixture

U.S. Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

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SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS TPQ.

EPCRA section 313

This product contains the following EPCRA section 313 chemical subject to the reporting requirements of section 313 of Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372).

Due to the non-availability of reference standards, testing for all TRI listed PFAS substances in this product is not possible. At present, we test 19 specific PFAS compounds from the list with a Limit of Quantification (LOQ) of 25 parts per billion (ppb) for individual substances. Out of the 19 PFAS compounds tested, following substances were detected below the specified concentration.

CAS No.	Chemical Name	Concentration

No entry in above table indicates no substances were detected above the LOQ of 25 ppb.

US State Regulations

CALIFORNIA PROPOSITION 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Component	CAS Number	Minnesota	New Jersey	Pennsylvania	Illinois	Rhode Island
Polytetrafluoroethylene	9002-84-0	-	X	X	-	X

International Inventories

TSCA	Listed
EINECS/ELINCS	Not Listed (Polytetrafluoroethylene)
DSL	Listed
NDSL	Not Listed (Polytetrafluoroethylene)
PICCS	Listed
ENCS	Listed
IENCS	Listed
AICS	Listed
KECL	Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

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16. Other Information

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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.

End of Safety Data Sheet