



MATERIAL SAFETY DATA SHEET

www.britisscientific.com

Issue Date:

1- Chemical Product Information and Company Identification.

Product Name: : Petroleum Ether 100-120 °C GC reference standard, AnStan[®].
Synonym: : Petroleum ether.
Product code: : BS14343.
CAS Number: : 8032-32-4.
Company Name: : Briti Scientific.
Company Address: : Plot No:78/B/13, SY-79,Phase-VI, Jeedimetla,Hyderabad-500 055.
Telangana, India.

Section 2- Composition / Information on Ingredients.

CAS No.	Chemical Name	Mol. Formula
8032-32-4	Petroleum ether.	NA

Section 3- Hazards Identification.

Classification

Classification of the substance or mixture

Skin corrosion/irritation: Category 2
Serious eye damage/eye irritation: Category 2A
Reproductive Toxicity: Category 2
Specific target organ toxicity (single exposure): Category 3
Category 3 Respiratory irritation, Narcotic effects
Specific target organ toxicity (repeated exposure): Category 1
Category 1 central nervous system, nervous system
Aspiration hazard: Category 1

Label Elements

Signal word: Danger



USA: #1004, Boston, Massachusetts, 02116, United States. India: Jeedimetla, Hyderabad-500 055, Telangana.

www.britisscientific.com



Hazard statements

H224 - Extremely flammable liquid and vapor.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H361 - Suspected of damaging fertility or the unborn child.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H304 - May be fatal if swallowed and enters airways.

H372 - Causes damage to the following organs through prolonged or repeated exposure: central nervous system, nervous system.

Precautionary statements-(Prevention)

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Wash face, hands and any exposed skin thoroughly after handling.

Precautionary statements-(Response)

IF exposed or concerned: Get medical advice/attention.

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

If eye irritation persists: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

In case of fire: Use suitable extinguishing media for extinction.

Precautionary statements-(Storage)

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Precautionary statements-(Disposal):

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

None identified

Section 4- First Aid Measures.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.





Skin Contact: Wash off immediately with plenty of water for at least 15 minutes.

Get medical attention if symptoms occur.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

Ingestion: Do NOT induce vomiting. Get medical attention.

Most important symptoms and effects: No information available

Notes to Physician: Treat symptomatically

Section 5- Fire Fighting Measures.

Suitable Extinguishing Media: Water spray (fog), Carbon dioxide (CO₂), Foam, Extinguishing powder, Sand.

Unsuitable Extinguishing Media: No information available.

Flash Point: No information available.

Method - No information available.

Autoignition Temperature: No information available.

Explosion Limits

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact: No information available.

Sensitivity to Static Discharge: No information available.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Vapors may form explosive mixture with air

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6- Accidental Release Measures.

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental Precautions: Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods for Containment and Clean Up:

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

Section 7- Handling and Storage.

Handling

Technical measures: Highly flammable. Avoid contact with high temperature objects, spark, and strong oxidizing agents. Use with local exhaust ventilation.





Precautions

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought. contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

Safety handling precautions:

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Storage

Safe storage conditions.

Storage conditions Keep container protect from light, store in well-ventilated place at room temperature (preferably cool). Keep container tightly closed. Safe packaging material Glass
Incompatible substances Strong oxidizing agents.

Section 8- Exposure Control/Personal Protection.

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures: In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand-and eye-wash facility. And display their position clearly.

Personal Protective Equipment

Eye/face Protection: protective eyeglasses or chemical safety goggles.

Skin and body protection: Long-sleeved work clothes.

Respiratory Protection: gas mask for organic gas.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice

Section 9- Physical and Chemical Properties.

Appearance:	Clear colourless liquid.
Odor:	No information available.
Odor Threshold:	No information available.
pH:	No information available.
Melting Point/Range:	-40°C.
Boiling Point/Range:	No information available.
Flash Point:	No information available.
Evaporation Rate:	No information available.
Flammability (solid,gas):	Not applicable
Flammability or explosive limits:	
Upper	36.0vol%.





Lower 1.9vol%

Vapor Pressure: No information available

Density: NA

Solubility: Soluble in chloroform.

Partition coefficient; n-octanol/water: No data available

Autoignition Temperature: 160 °C.

Decomposition Temperature: No data available

Viscosity: No data available

Molecular formula: NA

Molecular Weight: NA

Section 10- Stability and Reactivity.

Reactive Hazard: None known, based on information available.

Stability: May be altered by light.

Conditions to Avoid: Extremes of temperature and direct sunlight, Heat, flames and sparks, static electricity, spark.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide (CO), Carbon dioxide (CO₂).

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous Reactions: None under normal processing.

Section 11- Toxicological Information.

Acute Toxicity

Product Information No acute toxicity information is available for this product

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum	LD50 >5000 mg/kg (Rat)	LD50>3160 mg/kg (Rabbit)	LC50 = 73680 ppm (Rat) 4 h

Toxicologically Synergistic Products: No information available.

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

Irritation: No information available.

Sensitization: No information available.

Mutagenic Effects: No information available.

Reproductive Effects: No information available.

Developmental Effects: No information available.

Teratogenicity: No information available.

STOT - single exposure Central nervous system (CNS).

STOT - repeated exposure None known

Aspiration hazard: No information available.





Symptoms / effects, both acute and delayed: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Endocrine Disruptor Information: Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

Other Adverse Effects: The toxicological properties have not been fully investigated.

Section 12- Ecological Information.

Ecotoxicity: No information available

Persistence and Degradability: Readily biodegradable.

Bioaccumulation/ Accumulation: No information available.

Mobility: Aqueous solution has high mobility in soil.

Section 13- Disposal Considerations.

Waste Disposal Methods: 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.

Section 14- Transport Information.

ADR/RID

Proper shipping name: Petroleum distillates, n.o.s.

UN classification: 3

Subsidiary hazard class

Packing group: I

Marine pollutant: Not applicable

IATA

UN number: UN1268

Proper shipping name: Petroleum products, n.o.s.

UN classification: 3

Subsidiary hazard class

Packing group: I

Environmentally Hazardous:

Substance Not applicable

IMDG/IMO

UN number: UN1268

Proper shipping name: Petroleum distillates, n.o.s.

UN classification: 3

Subsidiary hazard class

Packing group: I

Marine pollutant (Sea): Not applicable





Transport in bulk according to
Annex II of MARPOL 73/78 and the IBC Code: No information available.

Section 15- Regulatory Information.

Legend:

TSCA - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export: Not applicable.

U.S. Federal Regulations

SARA 313: Not applicable.

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act): Not applicable.

Clean Air Act: Not applicable.

OSHA - Occupational Safety and
Health Administration: Not applicable.

CERCLA: Not applicable.

California Proposition 65: This product does not contain any Proposition 65 chemicals.

Section 16- Other Information.

Briti Scientific provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

