

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Petroleum ether (35- 60°C)
Synonyms	Petroleum benzin, Petroleum naphtha, Ligroine
Grade	ACS, Pesticide, Dehydrous, Anapremium
Company	Anaqua Chemicals Supply
	1510 Eldridge Parkway, Suite 110-268 Houston, TX 77077, USA
Telephone	(281) 668-0032
Fax	(281) 668-0033

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Formula	
CAS-No.	101316-46-5
Index-No.	649-263-00-9
Ec-No.	232-453-7
Concentration	> 95 %

3. HAZARDS IDENTIFICATION**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Carcinogenicity	Category 1B
Aspiration hazard	Category 1
Germ cell mutagenicity	Category 1B
Aspiration hazard	Category 1
Flammable liquids	Category 2
Germ cell mutagenicity	Category 1B

Classification according to EU Directives 67/548/EEC or 1999/45/EC

May cause cancer and heritable genetic damage. Highly flammable. Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES

Inhalation	If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Rinse mouth with water. Consult a physician immediately.
Skin Contact	Immediately wash off with plenty of water for at least 15 minutes. Consult a physician.
Eye Contact	Rinse through with plenty of water for at least 15 minutes. Consult a physician.
Note to Physician	Treat symptomatically

Most important symptoms and effects, both acute and delayed

Burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

Indication of any immediate medical attention and special treatment needed

No information available

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards during fire fighting	No available information
Special protective equipment for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary. Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Avoid exposure - obtain special instructions before use. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure controls

Engineering Measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective Equipment

Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection Wear appropriate protective gloves.

Eye/face protection Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Colorless
pH	No information available
Oxidizing properties	No information available
Melting point	No information available
Boiling point	30 - 60 °C (86 - 140°F)
Flash point	-49 °C (-56 °F) - closed cup
Ignition temperature	No information available
Lower explosion limit	1.1 % (V)
Upper explosion limit	8 % (V)
Vapor pressure	724.66 hPa at 20 °C 1,778.33 hPa at 55 °C
Density	0.64 g/mL at 25 °C (77 °F)
Water solubility	No information available
Partition coefficient: n-octanol/ water	No information available

10. STABILITY AND REACTIVITY

Storage stability	No available information
Conditions to avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Materials to avoid	Strong oxidizing agents
Hazardous decomposition products	No available information

11. TOXICOLOGICAL INFORMATION

Acute toxicity	No available information LC50 Inhalation – 3400 ppm (Rat) 4h Remarks: Behavioral: Convulsions or effect on seizure threshold. Behavioral: Muscle weakness. LD50 Intravenous –40 mg/kg (mouse)
Skin irritation	No available information
Eye irritation	No available information
Sensitization	No available information
Germ cell mutagenicity	In vivo tests showed mutagenic effects
Carcinogenicity	Human carcinogen. 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.
Symptoms of Exposure	Burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting
Specific target organ toxicity – single exposure (GHS)	No available information
Specific target organ toxicity – repeated exposure (GHS)	No available information
Potential health effects	
Inhalation	Harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.
Skin	Harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

12. ECOLOGICAL INFORMATION

Persistence and degradability	No available information
Ecotoxicity	No available information
Toxicity to fish	No available information
Toxicity to daphnia and other aquatic invertebrates	No available information
Mobility	No available information

13. DISPOSAL CONSIDERATIONS

Product	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.
Packaging	Dispose of as unused product.

14. TRANSPORT INFORMATION

IATA

UN-Number: 1268	Class: 3	Packing group: I
Proper shipping name: Petroleum distillates, n. o. s		

IMDG

UN-Number: 1268	Class: 3	Packing group: I
Proper shipping name: Petroleum distillates, n. o. s		
EMS-No. F-E, S-E		

DOT (US)

UN-Number: 1268	Class: 3	Packing group: I
Proper shipping name: Petroleum distillates, n. o. s		
Marine pollution: No		
Poison Inhalation Hazard: No		

15. REGULATORY INFORMATION

Hazard statements

- H225: Highly flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H340: May cause genetic defects.
- H350: May cause cancer.

Precautionary statements

- P201: Obtain special instructions before use.
- P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P308 + P313: IF exposed or concerned: Get medical advice/ attention.
- P331: Do NOT induce vomiting.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

OSHA Hazards

Flammable liquid, Irritant.

DSL Status

All components of this product are on the Canadian DSL list.

GHS-Labeling

Pictogram



Signal word *Danger*

Labeling according to EC Directive

Symbol(s): F+- Extremely flammable Xn- Harmful

R-phrase(s): 12-65

Extremely flammable. Harmful: may cause lung damage if swallowed.

S-phrase(s): 9-16-23-24-33-62

Keep container in a well-ventilated place. Keep away from source of ignition. Do not breathe vapor. Avoid contact with skin.

Take precautionary measures against static discharge. If swallowed, do not induce vomiting; seek medical advice immediately and show the container or label.

16. OTHER INFORMATION

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