Safety Data Sheet

SECTION 1. IDENTIFICATION

Product/Chemical Name:	Naptha
Synonym(s):	None
Recommended Use:	Laboratory Chemicals, Synthesis of substances
Restrictions on Use:	For use in a laboratory only
Manufacturer/Supplier:	Kamtec Science
Emergency Phone Number:	CANUTEC 24-HR Response: 613-996-6666 or *666 on a cellular phone

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids (Category 1), H224

Germ cell mutagenicity (Category 1B), H340

Carcinogenicity (Category 1A), H350

Aspiration hazard (Category 1), H304

GHS Label Elements (pictograms)

Signal Word: Danger

Hazard Statement(s):

H224 Extremely flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H340 May cause genetic defects.

H350 May cause cancer

Precautionary Statement(s):

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.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE/ doctor.
P303 + P361 + P353	IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P331	Do NOT induce vomiting.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

Other Hazards

None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Low boiling point naptha	64741-42-0	90 – 100	Carc. 1B; Asp. Tox. 1; H304, H350
Benzene	71-43-2	0.1 – 1	Flam. Liq. 2; Skin Irrit. 2; Eye Irrit. 2A; Muta. 1B; Carc. 1A; STOT RE 1; Asp. Tox. 1; Aquatic Acute 3; Aquatic Chronic 3; H225, H304, H315, H319, H340, H350, H372, H412

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact

Wash off with soap and plenty of water Consult a physician.

Eye Contact

Flush eyes with water as a precaution.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most Important Symptoms and Effects, Acute and Delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in Section 11.

Immediate Medical Attention and Special Treatment

Seek professional medical advice

SECTION 5. FIRE-FIGHTING MEASURES

Conditions of Flammability

No data available.

Extinguishing Media

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

No data available

Specific Hazards Arising from the Chemical

No data available

Special Protective Equipment and Precautions for Fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use personal protective equipment. Avoid breathing vapours, 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. For personal protection see section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Materials for Containment and Cleaning Up

Contain spillage, 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).

Other Information

For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Use explosion-proof equipment. Keep away from sources of ignition – No smoking. Take measures to prevent the build-up of electrostatic charge.

For precautions see section 2.2

Conditions for Safe Storage

Keep container tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Store at room temperature.

Storage class (TRGS 510): 3: Flammable liquids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control Parameters	Basis
Benzene	71-43-2	TWA	0.5 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Leukemia Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Confirmed human carcinogen Danger of cutaneous absorption			

		TWA	0.5 ppm	Canada. Ontario OELs
	Skin			
		STEL	2.5 ppm	Canada. Ontario OELs
	Skin			

Consult local authorities for provincial or state exposure limits.
Key to abbreviations
OEL = Occupational Exposure Limit; TLV = Threshold Limit Value; TWA = Time-Weighted Average; TWAEV = Time-Weighted Average Exposure Value; STEL = Short-term Exposure Limit; OSHA = US Occupational Safety and Health Administration; PEL = Permissible Exposure Limits; AIHA = AIHA Guideline Foundation; WEEL = Workplace Environmental Exposure Limit.

Appropriate Engineering Controls

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

Individual Protection Measures

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.

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

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose 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).

Other Protection Measures

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Physical State	Clear, liquid
Colour	Colourless
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting Point/Freezing Point	No data available
Initial Boiling Point/Range	-16 °C (3 °F) at 1,013 hPa (760 mmHg)
Flash Point	21 °C (70 °F)
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper/Lower Flammability or Explosive Limit	No data available
Vapour Pressure	667 hPa (500 mmHg) at 25 °C (77 °F)
Vapour Density (air = 1)	No data available
Relative Density (water = 1)	No data available
Solubility	No data available
Partition Coefficient	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Other Information

No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Vapours may form explosive mixture with air

Conditions to Avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible Materials

Bases, Strong oxidizing agents, acids, Halogens, Metallic salts

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known. Other decomposition products - No data available In the event of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin, eyes, ingestion, inhalation

Acute Toxicity

No data available

Skin Corrosion/Irritation

No data available

Serious Eye Damage/Irritation

No data available

Respiratory or Skin Sensitisation

No data available

Germ Cell Mutagencity

No data available

Carcinogenicity

IARC	1-Group 1: Carcinogenic to humans (Benzene)
IARC	2B – Group 2B: Possibly carcinogenic to humans (Naptha)

Key to abbreviations
IARC = International Agency for Research on Cancer
ACGIH = American Conference of Governmental Industrial Hygienists
NTP = National Toxicology Program
OSHA = US Occupational Safety and Health Agency

Reproductive Toxicity

Development of Offspring (Teratogenicity)

No data available

Sexual Function and Fertility

No data available

Effects on or via Lactation

No data available

Interactive Effects

No data available

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS 2015

This section is not required by OSHA

SECTION 13. DISPOSAL CONSIDERATIONS

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. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging

Dispose of as unused product

SECTION 14. TRANSPORT INFORMATION

Canadian TDG Regulations

UN number: 1993 Class: 3 Packing group: I Proper shipping name: FLAMMABLE LIQUID, N.O.S. Poison Inhalation Hazard: No

SECTION 15. REGULATORY INFORMATION

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

SECTION 16. OTHER INFORMATION

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 The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Nipissing University shall not be held liable for any damage resulting from handling or from contact with the above product.