

SAFETY DATA SHEET: ALIPAX 1425

MSDS No: TMC-AP-3295

1. IDENTIFICATION OF CHEMICAL PRODUCT

Name of substance: Alipax 1425 **Chemical Family:** Aliphatic

Product Description: Clear, colourless liquid

Supplier: **Transmare-Chemie (Singapore) Pte Ltd**
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2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable Liquids	Category 2
Skin Irritation	Category 2
Specific Target Organ Toxicant (Central Nervous System)	Category 3
Aspiration Toxicant	Category 1
Chronic Aquatic Toxicant	Category 2

GHS Label Elements

Symbols:



Signal Word(s): Danger

GHS Hazards Statement

Physical Hazards:

H225: Highly Flammable Liquid and Vapor.

Health Hazards:

H304: May be fatal if swallowed or enters airways.

H315: Causes skin irritations.

H336: May cause drowsiness or dizziness.

Environmental Hazards:

H411: Toxic to aquatic life with long lasting effects.

GHS Precautionary Statement

Prevention:

P201: Obtain special instructions before use.

P202: Do Not handle until all safety precautions have been read and understood.

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

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- P241: Use explosion-proof electrical/ventilating/lighting equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray
 P264: Wash hands thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P273: Avoid release to the environment.

Response:

- P303+P361+P353: If on Skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P370+P378: In case of fire: Use appropriate media for extinction.
 P302+P352: If on Skin: Wash with plenty of soap and water.
 P308+P313: If exposed or concerned: Get medical attention/advice
 P304+P340: If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P332+P313: If skin irritation occurs, Get medical advice/attention.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P301+P310: If Swallowed: Immediately call a POISON CENTER or doctor/physician.
 P331: Do Not induce vomiting.
 P362+P364: Take off contaminated clothing and wash before re-use.
 P391: Collect spillage.

Storage:

- P403+P235: Store in a well-ventilated place. Keep cool.
 P405: Store locked up.

Disposal

- P501: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

Other Hazards Which Do Not Result in Classification

- Materials can accumulate static charges, which may cause an ignition.
 Materials can release vapours that readily from flammable mixtures.
 Vapour accumulation could flash and/or explode if ignited.
 May be irritating to the eyes, nose, throat and lungs.
 May cause central nervous system depression.

Aggravated Medical Condition

N/A

3. COMPOSITION/ INFORMATION ON INGREDIENTS CAS NUMER: 64742-49-0

Chemical Name	CAS Number	Concentration
Naphtha (Petroleum) Hydrotreated Light	64742-49-0	100%
Cyclohexane	110-82-7	10 - <30%
Heptane and Isomers		55 - < 80%
Methyl Cyclopentane	96-37-7	4 - <10%
n-Hexane	110-54-3	1 - < 5%
Octane and Isomers		5 - <10%

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4. FIRST AID MEASURES

Inhalation, Skin Contact, Eye Contact, Ingestion



Medical attention. Emergency shower.



Emergency shower.



Emergency eyewash.

5. FIRE FIGHTING MEASURE

Appropriate Extinguishing Media:

- CO₂
- Alcohol Resistance Foam
- Dry Chemical

Inappropriate Extinguishing Media:

- Water Jet

6. ACCIDENTAL RELEASE MEASURES

- Eliminate ignition sources. Prevent liquid enters sewers, water sources, low area.
- Spill with sand, earth. Dilute contained spill with water. Dispose recover material conforms to local regulation.
- Keep public away.

7. HANDLING AND STORAGE

Storage/ Transport Temperature:
Ambient

Loading/ Unloading Temperature:
Ambient

Ensure all equipment is electrically grounded before beginning transfer operations.
Take precautionary measures against static discharge.
Keep away from heat and sources of ignition.
Avoid breathing mists or vapour. Avoid contact with skin.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Control Measures/Ventilation:

- Use local exhaust ventilation to control process.
- Provide mechanical ventilation of confined spaces.
- Use explosion-proof ventilation equipment.

Occupational Exposure Limits (OEL) Values:

- Cyclohexane
TWA: 100ppm – ACGIH (2020)
- Heptane and Isomers
TWA: 400ppm – ACGIH (2020)
- n-Hexane
TWA: 50ppm - Skin (ACGIH - 2020)
- Naphtha (Petroleum), Hydrotreated Light
RCP-TWA: 1000mg/m³
- Octane and Isomers
TWA: 300ppm – ACGIH (2020)

Personal Protection



Vapor respirator. Gloves. Goggles. Full suit. Footwear.

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9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State:	Liquid
Form/Color:	Clear, colourless
Odor:	Slight odor
Flash Point (TCC ASTM D56):	-13 °C
Boiling Point / Range:	88-104 °C
Specific Gravity (20.0/20.0):	N/A
Density (15°C):	730kg/m ³
Freezing/Melting Point:	N/A
Auto-ignition Temperature:	258°C
Evaporation Rate (n-Bu Acetate=1):	5.1
Vapor Pressure (20°C):	8 kPa
Viscosity (40°C): Viscosity (20°C):	0.5 cSt 0.7 cSt
Solubility in Water (20°C):	Negligible
Explosive Limits (in air):	1.0 - 7.0
Vapor Density (101.3kPa/air = 1):	3.4 at 101 Kpa
Molecular Weight:	99g/mol
Coeff. Of Thermal Expansion (liq):	0.00119/°C
Log Pow (n-Octanol/Water Partition Coefficient):	<4
pH:	N/A
Material Hygroscopic:	No

10. STABILITY AND REACTIVITY	
Hazardous Polymerization: No	Conditions to Avoid Polymerization: NA
Stability: Stable	Conditions to Avoid Instability: NA
Materials and Conditions to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	None

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11. TOXICOLOGICAL INFORMATION

Inhalation:	Minimally toxicity.
Skin Contact:	Causes dry skin. Low order of toxicity.
Eye Contact:	May cause mild, short lasting discomfort to eyes.
Ingestion:	Minimal toxicity, small amounts may cause bronchopneumonia or pulmonary edema.

12. ECOLOGICAL INFORMATION

Environmental Mobility:	Highly volatile and will rapidly evaporate to the air if released into the water.
Environmental Degradability:	Biodegrade readily.
Ecotoxicity and Bioaccumulation:	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in aquatic environment.

13. DISPOSAL CONSIDERATIONS

- Combine with other materials to indicate another route of disposal.
- Recycle, recover or dispose empty drums through a suitably qualified or licensed contractor.
- Ensure compliance with national and local regulations.
- NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ash less and can be burned directly in appropriate equipment.
- Contact Transmare-Chemie or local Authorities for more information.

14. TRANSPORT INFORMATION

	Land	Sea	Air
Class	3	3	3
Packing Group	II	II	II
UN Number	3295	3295	3295
Transport Document Name	Hydrocarbons, liquid, N.O.S. (Heptane), Class 3, UN 3295, PG II, (-13 °C c.c.)	Hydrocarbons, liquid, N.O.S. (Heptane), Class 3, UN 3295, PG II, (-13 °C c.c.)	Hydrocarbons, liquid, N.O.S., Class 3, UN 3295, PG II, (-13 °C c.c.)
Others	Hazchem Code: 3YE	Marine Pollutant: Yes EmS: F-E, S-D Risk Label: 3	

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15. REGULATORY INFORMATION**REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS**

Listed or exempted from listing/notification on the following chemical inventories:

AIIC
DSL
ENCS
IECSC
KECI
PICCS
TCSI
TSCA

16. OTHER INFORMATION**Revision Date on 15th April 2024**

This 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. Such information is to the best of Transmare-Chemie Company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.