

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
 CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

MATERIAL SAFETY DATA SHEET (MSDS)

HEXANE FRACTION FROM PETROLEUM AR (85%)

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : HEXANE FRACTION FROM PETROLEUM AR (85%)

Product code : SS0108802500
 CAS No: 110-54-3

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : SUVCHEM
 Chaitanya Tower, 2nd Floor, Office # 206,
 Siddharth Nagar, S.V. Road,
 Goregaon (West), Mumbai - 400062,
 Maharashtra, India.
 Contact: +91 22 28725393 / 94 / 95
 Email ID: info@suvchem.com/care@suvchem.com

1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : F; R11
 Xn; R65-48/20
 R67
 Xi; R38
 N; R51-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 -
 Warning (CLP : STOT SE 3) H336
 Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning (CLP :
 STOT RE 2) H373
 Aspiration hazard - Category 1 - Danger (CLP : Asp. Tox. 1) H304
 Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315

Physical hazards : Flammable liquids - Category 2 - Danger (CLP : Flam. Liq. 2) H225

Environmental hazards : Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP :
 Aquatic Chronic 2) H411

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2. Hazards identification -DSD (continued)

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s)



Symbol(s)

: F : Highly flammable
 Xn : Harmful
 N : Dangerous for the environment

R Phrase(s)

: R11 : Highly flammable.
 R38 : Irritating to skin.
 R48/20 : Harmful : danger of serious damage to health by prolonged exposure through inhalation.
 R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R62 : Possible risk of impaired fertility.
 R65 : Harmful : may cause lung damage if swallowed.
 R67 : Vapours may cause drowsiness and dizziness.

S Phrase(s)

: S16 : Keep away from sources of ignition - No smoking.
 S29 : Do not empty into drains.
 S33 : Take precautionary measures against static discharges.
 S36/37 : Wear suitable protective clothing and gloves.
 S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.
 S62 : If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

Contains

: HEXANE AR

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms



Signal words

: Danger

Hazard statements

: H225 : Highly flammable liquid and vapour.
 H304 : May be fatal if swallowed and enters airways.
 H315 : Causes skin irritation.
 H336 : May cause drowsiness or dizziness.
 H373 : May cause damage to organs through prolonged or repeated exposure.
 H411 : Toxic to aquatic life with long lasting effects.

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2. Hazards identification -DSD (continued)

Precautionary statements

• Prevention

: P240: Ground/bond container and receiving equipment.
 P241: Use explosion-proof electrical, ventilating, lighting, ..., equipment.
 P210: Keep away from heat, sparks, open flames or hot surfaces. - No smoking.
 P280: Wear protective gloves, protective clothing, eye protection, face protection.
 P271: Use only outdoors or in a well-ventilated area.
 P260: Do not breathe dust, fume, gas, mist, vapours, spray.
 P273: Avoid release to the environment.
 P233: Keep container tightly closed.
 P264: Wash thoroughly after handling.

• Response

: P301+P310: IF SWALLOWED : Immediately call a POISON CENTER or doctor.
 P302+P352: IF ON SKIN : Wash with plenty of soap and water.
 P332+P313: If skin irritation occurs : Get medical advice.
 P391: Collect spillage.
 P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.
 P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.
 P363: Wash contaminated clothing before reuse.
 P314: Get medical advice if you feel unwell.
 P370+P378: In case of fire: Use for extinction.

• Storage

: P403+P233: Store in well-ventilated place. Keep container tightly closed.
 P403+P235: Store in well-ventilated place. Keep cool.
 P405: Store locked up.

• Disposal considerations

: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Contains

: HEXANE AR

2.3. Other hazards

Other hazards

: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

Substance / Preparation

: Preparation.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
HEXANE AR	:	110-54-3	203-777-6	----	----	F; R11 Xn; R62 Xn; R65-48/20 R67 Xi; R38 N; R51-53 ----- Flam. Liq. 2 _ H225 Asp. Tox 1 _ H304 Skin Irrit. 2 _ H315 STOT RE 2 _ H373 STOT SE 3 _ H336 Aquatic Chronic 2 _ H411

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4. First aid measures

4.1. Description of first aid measures

Inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Skin contact	: Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Specific treatment (see on this label). Get medical advice. If skin irritation occurs : Wash contaminated clothing before reuse.
Eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use	: Causes damage to organ. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness.
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4.3. Indication of any immediate medical attention and special treatment needed

General information	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
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5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
Surrounding fires	: Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Flammable class	: Highly flammable liquid and vapour.
Hazardous combustion products	: Under fire conditions, hazardous fumes will be present.

5.3. Advice for fire-fighters

Protection against fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures	: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
|------------------------------------|---|
| For emergency responders | : Equip cleanup crew with proper protection.
Ventilate area.
Avoid breathing dust, fume, gas, mist, vapours, spray. |
| Technical measures | : Use special care to avoid static electric charges. |
| Special precautions | : Remove ignition sources. No naked lights. No smoking. |
| For non-emergency personnel | : Evacuate unnecessary personnel. |

6.2. Environmental precautions

- | | |
|----------------------------------|---|
| Environmental precautions | : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
Avoid release to the environment. |
|----------------------------------|---|

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|--|
| Clean up methods | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage. |
|-------------------------|--|

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling

- | | |
|--------------------------------------|--|
| Handling | : Handle empty containers with care because residual vapours are flammable.
Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. |
| Technical protective measures | : Provide good ventilation in process area to prevent formation of vapour.
Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting, ..., equipment. |
| Special precautions | : No naked lights. No smoking. Avoid breathing dust, fume, gas, mist, vapours, spray. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|----------------------------|--|
| Storage | : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Ground/bond container and receiving equipment. Keep container tightly closed. |
| Storage - away from | : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources. |

7.3. Specific end use(s)

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7. Handling and storage (continued)

Specific end use(s) : None.

8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

• **Respiratory protection** : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Wear respiratory protection.

• **Hand protection** : Wear protective gloves.

• **Skin protection** : Wear suitable protective clothing.

• **Eye protection** : Chemical goggles or safety glasses.

• **Others** : When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Liquid.

Colour : Colorless

Odour : Characteristic.

Odour threshold : No data available.

pH value : No data available.

Melting point [°C] : No data available.

Decomposition point [°C] : No data available.

Critical temperature [°C] : No data available.

Auto-ignition temperature [°C] : No data available.

Flammability (solid, gas) : Highly flammable liquid and vapour.

Flash point [°C] : No data available.

Initial boiling point [°C] : No data available.

Final boiling point [°C] : No data available.

Evaporation rate : No data available.

Vapour pressure [20°C] : No data available.

Vapour density : No data available.

Density [g/cm³] : No data available.

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9. Physical and chemical properties (continued)

Relative density, liquid (water=1) : No data available.
 Solubility in water : No data available.
 Log Pow octanol / water at 20°C : No data available.
 Viscosity at 40°C [mm²/s] : No data available.

9.2. Other information

Explosive properties : No data available.
 Explosion limits - upper [%] : No data available.
 Explosion limits - lower [%] : No data available.
 Oxidising properties : No data available.

10. Stability and reactivity

10.1. Reactivity

Reactivity : Not established.

10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures. Open flame.

10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.
 May release flammable gases.

11. Toxicological information

11.1. Information on toxicological effects

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11. Toxicological information (continued)

Toxicity information	: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.
Acute toxicity	
• Inhalation	: May be fatal if swallowed and enters airways.
• Dermal	: Based on available data, the classification criteria are not met.
• Ingestion	: May be fatal if swallowed and enters airways.
Corrosion	: Based on available data, the classification criteria are not met.
Irritation	: Causes skin irritation.
Sensitization	: Based on available data, the classification criteria are not met.
Mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Toxic for reproduction	: Based on available data, the classification criteria are not met.
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.

12. Ecological information

12.1. Toxicity

Toxicity information : Toxic to aquatic life with long lasting effects.

12.2. Persistence - degradability

Persistence - degradability : May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

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13. Disposal considerations

13.1. Waste treatment methods

General	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Special precautions	: Handle empty containers with care because residual vapours are flammable. Hazardous waste due to toxicity.

14. Transport information

14.1. Land transport (ADR-RID)

Proper shipping name	: HEXANES
UN N°	: 1208
H.I. nr	: 33
ADR - Class	: 3
Labelling - Transport	: 3 : Flammable liquid.



ADR - Classification code	: F1
ADR - Group	: II
ADR - Packing instructions	: P001 R001
ADR - Limited Quantity	: 1 L
ADR - Tunnel code	: D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.



14.2. Sea transport (IMDG). [English only]

Proper shipping name	: HEXANES
UN N°	: 1208
IMO-IMDG - Class or division	: 3 : Flammable liquid.
IMO-IMDG - Packing group	: II
IMO-IMDG - Packing instructions	: P001

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14. Transport information (continued)

IMO-IMDG - Limited quantities : 1 L
 IMO-IMDG - Marine pollution : Yes
 EMS-Nr : F-E S-D

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : HEXANES
 UN N° : 1208
 IATA - Class or division : 3 : Flammable liquid.
 IATA - Packing group : II
 IATA - Passenger and Cargo Aircraft : ALLOWED
 - Passenger and Cargo - Packing : 353
 instruction
 - Passenger and Cargo - Maximum : 5 L
 Quantity/Packing
 IATA - Cargo only : ALLOWED
 - Cargo only - Packing instruction : 364
 - Cargo only - Maximum Quantity/ : 60 L
 Packing
 IATA - Limited Quantities : 1 L
 ERG-Nr : 3H

15. Regulatory information

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

Safety, health and environmental : Ensure all national/local regulations are observed.
 regulations/legislation specific for the
 substance or mixture
 REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.
 REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

16. Other information

Revision : Revision - See : *
 Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
 vPvB: very persistent and very bioaccumulative

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In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** 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.

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