

Section 1: Identification

1.1. Product identifier

Product form : Mixture
Product Identifier(s) : Atosol 150
Other means of identification : Solvent naphtha (petroleum), heavy arom.
CAS No : 64742-94-5

1.2. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Solvent

1.3. Details of the supplier of the safety data sheet

Total Petrochemicals & Refining USA, Inc.
P O Box 674411
Houston, TX 77267-4411

For non-emergency product information:
Phone: 713-483-5000
Email: product.stewardship@total.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 (Toll Free USA & Canada) / 703-527-3887 (Multiple languages)
Total Petrochemicals & Refining USA, Inc.: 1-800-322-3462 (Language: English only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flammable liquids Category 4
Carcinogenicity Category 2
Specific target organ toxicity (single exposure) Category 3 - Narcotic effects
Specific target organ toxicity (single exposure) Category 3 - Respiratory irritation
Specific target organ toxicity (single exposure) Category 1
Specific target organ toxicity (single exposure) Category 2
Specific target organ toxicity (repeated exposure) Category 1
Specific target organ toxicity (repeated exposure) Category 2
Aspiration hazard Category 1

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Combustible liquid
May be fatal if swallowed and enters airways
May cause respiratory irritation
May cause drowsiness or dizziness
Suspected of causing cancer
Causes damage to organs (blood)
May cause damage to organs (eye)
Causes damage to organs (eye) through prolonged or repeated exposure
May cause damage to organs (lung, nose) through prolonged or repeated exposure

Precautionary statements (GHS-US) :

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, open flames, sparks. - No smoking.
Do not breathe vapors, spray, mist, gas.

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Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear eye protection, flame retardant protective clothing, impermeable protective gloves.
If swallowed: Immediately call doctor, poison center.
Do NOT induce vomiting.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Specific treatment (see Section 4.1 of SDS or information on this label).
If exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
In case of fire: Use carbon dioxide (CO₂), dry chemical, foam, Water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed. Keep Cool.
Store locked up.
Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3. Hazards not otherwise classified

Other hazards not contributing to the classification : Product can accumulate electrostatic charges that may cause fire by electrical discharges.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

2.5. Additional information

Based on conditions common to industrial workplace use of this product : May cause mild eye irritation.
May cause mild skin irritation.

Section 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	CAS No	%
Aromatic Hydrocarbons (C10) not including naphthalene	-	>= 80
Naphthalene	91-20-3	<= 10
Aromatic hydrocarbons (C8 - C9)	-	<= 10
Aromatic Hydrocarbons (C11 - C14)	-	<= 10
1,2,4-trimethylbenzene	95-63-6	<= 5

Section 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

Symptoms/injuries after inhalation : May cause respiratory irritation.
Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.
Chronic symptoms : Suspected of causing cancer.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting 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.

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5.2. Special hazards arising from the chemical

- Fire hazard : Combustible liquid.
Explosion hazard : May form flammable/explosive vapor-air mixture.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Emergency procedures for non-emergency personnel : Evacuate unnecessary personnel.
Emergency procedures for emergency responders : Ventilate area.

6.2. Methods and material for containment and cleaning up

- For containment : Dike for recovery or absorb with appropriate material. Do not contaminate ground and surface water.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.3. Reference to other sections

See section 8. Exposure controls/personal protection.

Section 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from heat, sparks, open flames, hot surfaces. - No smoking.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No bare lights. No smoking. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapors, mist. Use only outdoors or in a well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. All efforts should be made to prevent any leaks or spills. Storage tanks should be engineered to prevent contact with water resources, as this material could contaminate the water resources. Surface spills can reach groundwater through porous soil or cracked surfaces. The storage tanks should be monitored regularly for leaks. Where spills or leaks are possible, a comprehensive response plan should be developed and implemented.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, flames, heat sources, sparks. Keep in fireproof place. Keep container tightly closed.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

Section 8: Exposure controls/personal protection

8.1. Occupational Exposure Limits

Naphthalene (91-20-3)		
USA ACGIH	ACGIH TWA (ppm)	10 ppm
USA ACGIH	ACGIH STEL (ppm)	15 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	50 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm

8.2. Exposure controls

- Appropriate engineering controls : Ensure adequate ventilation.
Personal protective equipment : Avoid all unnecessary exposure.

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Hand protection	: Impermeable protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear fire/flamm resistant/retardant clothing.
Respiratory protection	: An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.
Other information	: Do not eat, drink or smoke during use.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless, volatile liquid.
Color	: Colorless.
Odor	: Characteristic.
Odor threshold	: No data available
pH	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 180 (180 - 210) °C
Flash point	: ≥ 61 °C Closed cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: < 1 mm Hg @ 20°C - Reid Vapor Pressure
Relative vapor density at 20 °C	: 4.5 Air = 1
Relative density	: 0.9
Solubility	: Water: Negligible.
Log Kow	: No data available
Viscosity, kinematic	: < 20 cSt at 40°C
Viscosity, dynamic	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content	: 100 %
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Section 10: Stability and reactivity

10.1. Reactivity

Combustible liquid.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, toxic fumes.

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Section 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Inhalation. Ingestion. Skin and eye contact.

Acute toxicity : Not classified

Atosol 150 (64742-94-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat	> 5000 mg/m ³

Naphthalene (91-20-3)	
LD50 oral rat	490 mg/kg
LD50 dermal rabbit	> 20 g/kg
LC50 inhalation rat	> 340 mg/m ³ (Exposure time: 1 h)

Aromatic hydrocarbons (C8 - C9) (-)	
LC50 inhalation rat	18 mg/l/4h Based on 1,2,4-trimethylbenzene

1,2,4-trimethylbenzene (95-63-6)	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat	18 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness. May cause respiratory irritation. Causes damage to organs (blood). May cause damage to organs (eye).

Specific target organ toxicity (repeated exposure) : Causes damage to organs (eye) through prolonged or repeated exposure. May cause damage to organs (lung, nose) through prolonged or repeated exposure.

Atosol 150 (64742-94-5)	
NOAEL (oral,rat,90 days)	300 mg/kg bodyweight/day

Aspiration hazard : May be fatal if swallowed and enters airways.

Potential Adverse human health effects and symptoms : Irritation of the respiratory tract. Drowsiness. Dizziness.

Section 12: Ecological information

12.1. Toxicity

Ecology - general : Constituents of this type of aromatic solvent are expected to partition between air, water, and soil.

12.2. Persistence and degradability

Atosol 150 (64742-94-5)	
Persistence and degradability	Constituents of this type of aromatic solvent are expected to biodegrade.

12.3. Bioaccumulative potential

Atosol 150 (64742-94-5)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

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Section 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Additional information : Handle empty containers with care because residual vapors are flammable.
- Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

Section 14: Transport information

US Transport (DOT) for Bulk Shipments (Non-Bulk Shipments May Differ)

- Transport document description : UN1268, Petroleum distillates, n.o.s., Combustible Liquid, PGIII
- UN or NA Number : UN1268
- Proper Shipping Name : Petroleum distillates, n.o.s.
- Primary Hazard Class : Combustible Liquid - see 49 CFR 173.150(f)
- Packing Group : PGIII
- Hazard labels :



- Emergency Response Guide (ERG) Number : 128

In accordance with the definition in 49 CFR § 171.8, a hazardous substance does not include petroleum, including crude oil or any fraction thereof which is not other specifically listed or designated as such in Appendix A to 49 CFR § 172.101. Therefore, this product does not require a RQ designation.

Transport by sea (IMDG)

- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Product name: Alkyl (C3 - C4) benzenes (ATOSOL 150)
Pollution category: Y
Ship type: 2
- Cargo name listed in 46 CFR 30.25, Table 30.25-1 : Alkyl (C3 - C4) benzenes
- Cargo name listed in 46 CFR 153, Table 1 : Alkyl (C3 - C4) benzenes

Air transport (IATA)

Not evaluated.

Section 15: Regulatory information

15.1. US Federal regulations

EPA TSCA Status

This product is a substance under TSCA (CAS No. 64742-94-5; Solvent naphtha (petroleum), heavy arom.).

SARA Section 313 Supplier Notification

This product contains the following toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

CAS number	Chemical name	Concentration
91-20-3	Naphthalene	<= 10%
95-63-6	1,2,4-trimethylbenzene	<= 5%

This information must be included in all Safety Data Sheets that are copied and distributed for this product. For additional information, see 40 CFR §372.45 Notification About Toxic Chemicals.

- SARA Section 311/312 Hazard Classes : Acute health hazard
Fire hazard
Chronic health hazard

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15.2. International regulations

CANADA

Atosol 150 (64742-94-5)

WHMIS Classification

Class B Division 3 - Combustible Liquid

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

National inventories

solvent naphtha (petroleum), heavy arom. (64742-94-5)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the China Inventory of Existing Chemical Substances (IECSC)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS)

15.3. US State regulations

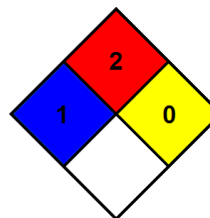
California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity, not limited to any that may be listed below.

Naphthalene (91-20-3)	
U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No
No significance risk level (NSRL)	5.8 µg/day

Section 16: Other information

NFPA (National Fire Protection Association)

NFPA health hazard : 1
NFPA fire hazard : 2
NFPA reactivity : 0



HMIS III Rating

Health : 1*
Flammability : 2
Physical Hazard : 0
Personal Protection : See section 8 of SDS

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US OSHA LABEL as specified under 29 CFR §1910.1200 (f)

Atosol 150

Total Petrochemicals & Refining USA, Inc.
PO Box 674411
Houston, TX 77267-4411 USA
Tel. 713-483-5000 or 1-877-871-2709



Danger

Combustible liquid

May be fatal if swallowed and enters airways

May cause respiratory irritation

May cause drowsiness or dizziness

Suspected of causing cancer

Causes damage to organs (blood)

May cause damage to organs (eye)

Causes damage to organs (eye) through prolonged or repeated exposure

May cause damage to organs (lung, nose) through prolonged or repeated exposure

Obtain special instructions before use.

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

Keep away from heat, hot surfaces, open flames, sparks. - No smoking.

Do not breathe vapors, spray, mist, gas.

Wash hands, forearms and face thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear eye protection, flame retardant protective clothing, impermeable protective gloves.

If swallowed: Immediately call doctor, poison center.

Do NOT induce vomiting.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Specific treatment (see Section 4.1 of SDS or information on this label).

If exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

In case of fire: Use carbon dioxide (CO₂), dry chemical, foam, Water spray to extinguish.

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

Store locked up.

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental Information: Other hazards not contributing to the classification

Product can accumulate electrostatic charges that may cause fire by electrical discharges.

Version : 1.3

Date of issue : July 8, 2015

MSDS ID: ATOSOL150

SDS REFERENCE NUMBER: AS0004

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