



Univar
3075 Highland Pkwy STE 200
Downers Grove, IL 60515
425-889-3400

SAFETY DATA SHEET

1. Identification

Product identifier: AROMATIC 100

Other means of identification

SDS number: 000100000242

Recommended use and restriction on use

Recommended use: Reserved for industrial and professional use.

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Univar

3075 Highland Pkwy STE 200

Downers Grove, IL 60515

425-889-3400

Emergency telephone number: For emergency assistance involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids Category 3

Health Hazards

Skin Corrosion/Irritation Category 2

Carcinogenicity Category 2

Aspiration Hazard Category 1

Label Elements

Hazard Symbol



Signal Word

Danger

Hazard Statement

Flammable liquid and vapor.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Suspected of causing cancer.

Precautionary Statements

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Use personal protective equipment as required. Avoid release to the environment.

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Take off contaminated clothing. Collect spillage.

Storage

Store in well-ventilated place. Store locked up.

Disposal

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification

None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Solvent naphtha (petroleum), light arom.		64742-95-6	100%
Cumene		98-82-8	<=1.1%
1,2,4-Trimethylbenzene		95-63-6	<=32%
Xylene		1330-20-7	<=2.2%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments:

The components are not hazardous or are below required disclosure limits. The components are not hazardous or are below required disclosure limits.

4. First-aid measures

General information:

Get medical advice/attention.

Ingestion:

Never give liquid to an unconscious person. Do NOT induce vomiting. Get medical attention immediately.

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.

Skin Contact:

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Eye contact:

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Most important symptoms/effects, acute and delayed

Symptoms:

No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use: Water fog. Foam. Carbon dioxide or dry powder.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: Vapors are heavier than air and may spread near ground to sources of ignition.

Special protective equipment for fire-fighters: Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use water spray to cool fire exposed surfaces and to protect personnel.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Methods and material for containment and cleaning up: Absorb spillage with non-combustible, absorbent material. All equipment used when handling the product must be grounded. Eliminate sources of ignition. Prevent runoff from entering drains, sewers, or streams.

Environmental Precautions: Avoid release to the environment.

7. Handling and storage

Precautions for safe handling: Avoid contact with skin. Use only with adequate ventilation. Avoid breathing mists or vapors. Flammable/combustible - Keep away from oxidizers, heat and flames.

Conditions for safe storage, including any incompatibilities: Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
1,2,4-Trimethylbenzene	TWA	25 ppm	US. ACGIH Threshold Limit Values (03 2013)
	REL	25 ppm 125 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	TWA	25 ppm 125 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	25 ppm 125 mg/m ³	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL	700 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	125 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	25 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
Xylene	ST ESL	140 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	25 ppm 125 mg/m ³	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	TWA	100 ppm 435 mg/m ³	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm 655 mg/m ³	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL	180 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL	350 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)

	ST ESL	80 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	42 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	TWA PEL	100 ppm 435 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	Ceiling	300 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
	STEL	150 ppm 655 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
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	STEL	150 ppm	US. ACGIH Threshold Limit Values (03 2016)
	TWA	100 ppm	US. ACGIH Threshold Limit Values (03 2016)
	PEL	100 ppm 435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)
	TWA	100 ppm 435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	150 ppm 655 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Cumene	TWA	50 ppm	US. ACGIH Threshold Limit Values (03

			2013)
	REL	50 ppm	245 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	PEL	50 ppm	245 mg/m3 US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	50 ppm	245 mg/m3 US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	50 ppm	245 mg/m3 US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		230 µg/m3 US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		250 µg/m3 US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	ST ESL		48 ppb US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL		50 ppb US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
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	STEL	150 ppm	655	US. NIOSH: Pocket Guide to Chemical

		mg/m3	Hazards (2010)
	STEL	150 ppm 655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	REL	100 ppm 435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
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	STEL	150 ppm	US. ACGIH Threshold Limit Values (03 2016)
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Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
Xylene (Methylhippuric acids: Sampling time: End of shift.)	1.5 g/g (Creatinine in urine)	ACGIH BEL (03 2013)

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Appropriate Engineering Controls

Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

Individual protection measures, such as personal protective equipment

General information:

Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Eye/face protection:

If contact is likely, safety glasses with side shields are recommended.

Skin Protection

Hand Protection:

Chemical resistant gloves Chemical resistant gloves.

Other:

Chemical resistant clothing

Respiratory Protection:

In case of inadequate ventilation use suitable respirator.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. Physical and chemical properties

Physical state:	liquid
Form:	Clear Liquid
Color:	Colorless
Odor:	Aromatic
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	-14 °C
Initial boiling point and boiling range:	161 - 171 °C
Flash Point:	42 °C
Evaporation rate:	0.27
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	6.2 %(V)
Flammability limit - lower (%):	0.9 %(V)
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	0.269 hPa (20 °C)
Vapor density:	4.2 AIR=1
Relative density:	0.872
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	0.75 mm ² /s (40 °C)
Other information	
Minimum ignition temperature:	485 °C

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Stable
Conditions to avoid:	Avoid heat, sparks, flame and high pressure.
Incompatible Materials:	Strong oxidizing agents. Nitric acid. Sulfuric acid.
Hazardous Decomposition Products:	Stable

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product:	ATEmix (): 27,209.475032 mg/kg LD 50 (Rat): 3,492 mg/kg
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Dermal

Product:	ATEmix (): 3,268.625 mg/kg LD 50 (Rabbit): > 3,160 mg/kg
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Inhalation

Product:	LC 50 (Rat,): > 6,193 mg/l
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Repeated dose toxicity

Product:	No data available.
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Skin Corrosion/Irritation

Product:	Mildly irritating to skin with prolonged exposure.
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Serious Eye Damage/Eye Irritation

Product:	Mildly Irritating
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Respiratory or Skin Sensitization

Product:	Not a skin sensitizer.
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Carcinogenicity

Product:	No data available.
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IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Cumene Overall evaluation: 2B. Possibly carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: LC 50 (Oncorhynchus mykiss, 96 h): 9.2 mg/l

Aquatic Invertebrates

Product: EC 50 (Water flea (Daphnia magna), 48 h): 6.14 mg/l

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): 1 mg/l

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

Cumene Log Kow: 3.66

Xylene Log Kow: 3.12 - 3.20

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Solvent naphtha (petroleum), light arom. No data available.

Cumene No data available.

1,2,4-Trimethylbenzene No data available.

Xylene No data available.

Known or predicted distribution to environmental compartments

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Known or predicted distribution to environmental compartments

1,2,4-Trimethylbenzene No data available.

Xylene No data available.

Cumene No data available.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws. Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN Number:	UN 1268
UN Proper Shipping Name:	Petroleum distillates, n.o.s.(- 1,2,4-Trimethylbenzene, - Xylene)
Transport Hazard Class(es)	
Class:	3
Label(s):	3
Packing Group:	III
Marine Pollutant:	Marine Pollutant
Special precautions for user:	–

NOT D.O.T. REGULATED FOR DOMESTIC GROUND TRANSPORTATION IN NON BULK CONTAINERSIMDG

UN Number:	UN 1268
UN Proper Shipping Name:	PETROLEUM DISTILLATES, N.O.S.
Transport Hazard Class(es)	
Class:	3
Label(s):	3
EmS No.:	F-E, S-E
Packing Group:	III
Marine Pollutant:	Marine Pollutant
Special precautions for user:	–

IATA

UN Number:	UN 1268
Proper Shipping Name:	Petroleum distillates, n.o.s.(- 1,2,4-Trimethylbenzene, - Xylene)
Transport Hazard Class(es):	
Class:	3
Label(s):	3
Packing Group:	III
Environmental Hazards	Marine Pollutant
Special precautions for user:	–
Other information	
Passenger and cargo aircraft:	Allowed.
Cargo aircraft only:	Allowed.

15. Regulatory information

US Federal Regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Xylene Reportable quantity: 100 lbs.

Cumene Reportable quantity: 5000 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

Chemical Identity	RQ
Xylene	100 lbs.
Cumene	5000 lbs.

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Solvent naphtha (petroleum), light arom.	500 lbs
1,2,4-Trimethylbenzene	500 lbs
Xylene	500 lbs
Cumene	500 lbs

SARA 313 (TRI Reporting)

Chemical Identity	Reporting threshold for other users	Reporting threshold for manufacturing and processing
1,2,4-Trimethylbenzene	10000 lbs	25000 lbs.
Xylene	10000 lbs	25000 lbs.
Cumene	10000 lbs	25000 lbs.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Xylene Reportable quantity: 100 lbs.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

WARNING: This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm. WWW.P65Warnings.ca.gov

Cumene Carcinogenic.

US. New Jersey Worker and Community Right-to-Know Act

1,2,4-Trimethylbenzene	Listed
Xylene	Listed
Cumene	Listed

US. Massachusetts RTK - Substance List

1,2,4-Trimethylbenzene	Listed
Xylene	Listed
Cumene	Listed

US. Pennsylvania RTK - Hazardous Substances

1,2,4-Trimethylbenzene	Listed
Xylene	Listed
Cumene	Listed

US. Rhode Island RTK

1,2,4-Trimethylbenzene	Listed
Xylene	Listed
Cumene	Listed

Inventory Status: Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	Not in compliance with the inventory.
EU ELINCS List:	Not in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory
EU No Longer Polymers List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.

16. Other information, including date of preparation or last revision

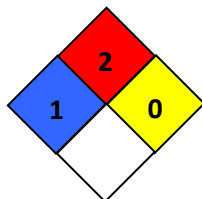
HMIS Hazard ID

Health	*	2
Flammability		2
Physical Hazards		0
PERSONAL PROTECTION		K

K - Hood, Gloves, Protective Suit & Boots

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



	Flammability
	Health
	Reactivity
	Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date:	08/02/2018
Revision Date:	No data available.
Version #:	1.3
Further Information:	No data available.

