



1. IDENTIFICATION

Name: Aromatic 200

Synonyms: solvent naphtha (petroleum), heavy aromatic

Product Uses: aromatic solvent with low volatility & high flash point, fuel

Supplier: Megaloid Laboratories Limited
Identifier: 5515 North Service Road # 306
Burlington, ON L7L 6G4

EMERGENCY INFORMATION: Call CHEMTREC - (800) 424-9300
(CCN# 693764)

2. HAZARD IDENTIFICATION:

GHS Class <i>(category)</i>	Skin irritant <i>(3)</i>	Eye irritant <i>(2B)</i>	Carcinogen <i>(2)</i>	Aspiration hazard <i>(2)</i>
Signal Word	WARNING			
Hazard Statements	Causes mild skin irritation (H316)	Causes eye irritation (H320)	Suspected of causing cancer (H351)	May be harmful if swallowed & enters airways (H305)

Hazardous Pictograms



GHS Precautionary Statements for Labelling

Prevention:	
P262, P264	Do not get in eyes or on skin. Wash thoroughly after handling.
P270, P280	Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves of "Viton".

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Response:	
P313 & P333	If skin irritation or rash occurs, get medical advice/attention.
P305, P351, P338	If in eyes, rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P201, P308 & P313	Obtain special instructions before use. If exposed or concerned, get medical advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	CAS No.	% weight	Other Identifiers
Solvent Naphtha (Petroleum), Heavy Aromatic	64742-94-5	100%	EC# 265-198-5

NOTE: Aromatic 200 solvent may also contain the substances listed in Part 8.

4. FIRST-AID MEASURES

Inhalation

Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.

Skin Contact

Wash with soap & plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned.

Eye Contact

Wash eyes with plenty of water, holding eyelids open. Seek medical assistance if there is any irritation.

Ingestion

Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity substance. The stomach should only be emptied under medical supervision, and after the installation of an airway to protect the lungs.



5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Foam, dry chemical, water fog or spray only to cool & dilute, water jet spreads flames

Unsuitable Extinguishing Media

Straight stream of water

Specific Hazards Arising from the Product

Carbon monoxide, nitrogen oxides, smoke, part oxidised hydrocarbon fragments

Special Protective Equipment and Precautions for Fire-fighters

Firefighters must wear SCBA

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material. See section 5 for fire fighting information.

Methods and materials for containment and cleaning up

Recover free liquid with suitable pumps; absorb residue on an inert sorbent, sweep, shovel & store in closed.

Static Charge Accumulation

Readily accumulates a static charge on agitation or pumping

7. HANDLING & STORAGE

Precautions for Safe Handling

Avoid splashing; keep the product nozzle below the surface in the receiving container. Empty containers may contain a flammable or explosive vapour. Always ensure that containers, whether empty or full, are tightly sealed unless in use.

Avoid generating or breathing product vapour. If vapour forms in use, provide adequate ventilation to control airborne titre to regulated limits (part 8, below). Never cut, drill, weld or grind on or near this container. Avoid contact with skin & wash work clothes frequently. An eye bath & safety shower must be available near the workplace.

Conditions for Safe Storage

Store away from sources of ignition, heat oxidising agents. Although the flash point is high, it is prudent to ground or electrically bond the source container, receiving container, & transfer pump before transferring contents.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

Heavy Aromatic Naphtha; CAS# 64742-94-5

Manufacturer's recommendation: 15ppm / 100mg/m³

Heavy Aromatic Naphtha may also contain the substances listed below:

Naphthalene CAS# 91-20-3:

Ontario TWAEV 10ppm / 52mg/m³

AGGIH TLV 10ppm / 52mg/m³

OSHA PEL 10ppm / 50mg/m³

Ontario STEV 15ppm / 78mg/m³

ACGIH STEL 15ppm / 79mg/m³

**OSHA (Calif)
PEL** 15ppm / 75mg/m³

2-Methylnaphthalene CAS # 91-57-6:

Ontario TWAEV 0.5ppm

AGGIH TLV 0.5ppm(skin)

OSHA PEL Not listed

Ontario STEV Not listed

ACGIH STEL Not listed

OSHA STEL Not listed

1-Methylnaphthalene CAS # 90-12-0:

Ontario TWAEV 0.5 ppm

AGGIH TLV 0.5 ppm

OSHA PEL 2ppm/123mg/m³

Ontario STEV Not listed

ACGIH STEL Not listed

OSHA STEL Not listed

Ventilation	mechanical ventilation probably not required due to low vapour pressure
Hands	"Viton" gloves recommended – other types may also protect; consult supplier to confirm suitability
Eyes	safety glasses with side shields – always protect the eyes
Clothing	if there is a splash risk, wear suitable protective clothing of "Viton" – apron, boots, long sleeves, etc

9. PHYSICAL & CHEMICAL PROPERTIES

Odour & Appearance	clear, pale yellow liquid with mild aromatic (kerosene) hydrocarbon odour
Odour threshold	not known
pH	none – (does not liberate hydrogen ions when dissolved)
Freezing point	-19oC / -2oF
Initial boiling point/boiling range	232-275oC / 450-527oF
Flash point	above 93oC / 200oF (Tag closed cup)
Evaporation rate (<i>Butyl Acetate = 1</i>)	below 0.01
Flammability (solid; gas)	no data available

Lower flammable/explosive limit	0.6%
Upper flammable/explosive limit	7%
Vapour pressure	0.075mmHg / 0.01kPa (20oC / 68oF)
Vapour density	5.7
Relative density	0.98
Solubility (water)	1milligram per litre (20oC / 68oF)
Partition coefficient – n-octanol/water	3.66
Auto ignition temperature	not measured; probably above 440oC / 824oF
Decomposition temperature	no decomposition expected up to autoignition temperature
Viscosity	2.7centipoise (25oC / 77oF)

10. REACTIVITY

Reactivity

See sub-sections below

Chemical Stability

Stable; will not polymerize

Possibility of Hazardous Reactions

Strong oxidising agents; chlorine, fluorine, strong nitric or sulphuric acids

Conditions to avoid

Open flames and high energy ignition sources.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	
Skin Contact	may irritate, drying

Skin Absorption	slight; no toxic effects likely by this route
Eye Contact	liquid mildly irritating; vapour irritating above 100ppm; will not damage
Inhalation	irritating above 100ppm, however vapour pressure is low; prolonged exposure to high concentrations may cause headache, dizziness drowsiness
Ingestion	headache, dizziness, drowsiness are possible; not a typical route of industrial exposure
LD50 (oral)	>5000mg/kg (rat)
LD50 (skin)	>2000mg/kg (rat)
LC50 (inhalation)	5100mg/m3 (rat)

11. TOXICOLOGICAL INFORMATION, CONTINUED

General

Prolonged exposure may remove natural skin oils, causing dermatitis; kidney & liver damage plus central nervous system damage possible

Sensitising

Not a sensitiser in humans or animals

Carcinogen/Tumorigen

Naphthalene is classified as a “possible human carcinogen” (IARC 2B & NTP 2)

Reproductive Effect

No known effect in humans or in animals without also causing maternal toxicity¹

Mutagen

No known effect on humans or in animals without also causing maternal toxicity¹

Synergistic With

Not known

12. ECOLOGICAL INFORMATION

Bioaccumulation	not a bioaccumulator
Biodegradation	biodegrades in the presence of oxygen; 58% & 61% in 28 days ¹
Abiotic Degradation	not known – many aromatic compounds are susceptible to direct & indirect photolysis
Mobility in soil, water	water insoluble; largely immobile in soil and water

Aquatic Toxicity	
LC50 (Fish, 96hr)	2-5, 18, 20, 25 & 10-100mg/litre (Oncorhynchus mykiss)1
EC50 (Crustacea, 48hr)	1.4, 1.9, 3-10, 21 & 40mg/litre (Daphnia magna)1
EC50 (Algae)	1.3, 3.7, 6.7, 8.3 & 10-30mg/litre (Pseudokirchnerella subcapitata)1
EC10 (Bacteria)	678mg/litre (Tetrahymena pyriformia – QSAR estimate)1

13. DISPOSAL

Waste Disposal

Do not flush to sewer, recycle solvent if possible, local regulations may permit disposal in sanitary landfill, may be incinerated in approved facility after mixing with a suitable flammable waste

Containers

Drums should be reused. Recondition and pressure test by a licensed reconditioner prior to re-use.

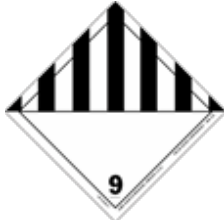
Pails must be vented and thoroughly dried prior to crushing and recycling.

IBCs (intermediate bulk containers): polyethylene bottle must be pressure tested & recertified at 30 months. Replace at 60 months (5yrs).

Steel containers must be inspected, pressure tested & recertified every 5 years.

Never cut, drill, weld or grind on or near this container, even if empty

14. TRANSPORT INFORMATION

Canada TDG	PIN	Not regulated for transport	US only
U.S.A. 49 CFR	PIN	UN3082	
	Shipping Name	Environmentally Hazardous Substance, Liquid, n.o.s. (Methylnaphthalene)	
	Class & Packing Group	9, PG III	
Marine Pollutant ERAP Required Reportable Quantity E R G No.	Not a Marine Pollutant No 45 kg 100 lbs – naphthalene 171		

15. REGULATORY INFORMATION

Canada DSL	On Inventory
U.S.A. TSCA	On Inventory
Europe EINECS	On Inventory

15. OTHER INFORMATION

NFPA RATING	Health 1	Flammability 1	Reactivity 0
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Preparation Date: September 2012

Revision Dates: September 2012, September 2015, August 2019

Key to Abbreviations	ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration RTECS® = Registry of Toxic Effects of Chemical Substances
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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