



Safety Data Sheet

Issue Date: 21-Oct-2014

Revision Date: 17-Dec-2015

Version 5

1. IDENTIFICATION

Product Identifier

Product Name Aromatic 150, 200

Other means of identification

SDS # CG-032

UN/ID No UN3082

Recommended use of the chemical and restrictions on use

Recommended Use Solvent.

Details of the supplier of the safety data sheet

Manufacturer Address

Chem Group, LLC
2406 Lynch Rd.
Evansville, IN 47711

Emergency Telephone Number

Company Phone Number 1-800-489-2306
Emergency Telephone (24 hr) Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Appearance Clear to yellowish liquid

Physical State Liquid

Odor Aromatic Hydrocarbon

Classification

Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3 – Narcotic effects
Specific target organ toxicity (single exposure)	Category 3 – Respiratory irritation
Acute toxicity - Dermal	Category 4
Aspiration toxicity	Category 1

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed
May be harmful if inhaled

Signal Word

Danger

Hazard Statements

Harmful in contact with skin
 May be fatal if swallowed and enters airways
 Suspected of causing cancer

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of soap and water
 Call a poison center or doctor/physician if you feel unwell
 Wash contaminated clothing before reuse
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do not induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Naphtha (petroleum), heavy aromatic	64742-94-5	100
Naphthalene	91-20-3	0 – 0.5%

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	IF ON SKIN: Wash with plenty of soap and water. Call a poison center or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.
Inhalation	Remove to fresh air. Get medical attention if symptoms occur.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed- can enter lungs and cause damage.

Most important symptoms and effects

Symptoms Harmful in contact with skin. Prolonged or repeated contact can defat the skin and lead to irritation, cracking, and/or dermatitis. May be harmful if inhaled. May be harmful if swallowed. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation and diarrhea.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical

Containers may burst due to pressure build-up of contents from exposure to the heat of fire.

Hazardous Combustion Products Carbon dioxide (CO₂). Carbon monoxide.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Immediately contact emergency personnel. Use personal protection recommended in Section 8. Keep unprotected persons away. Remove all sources of ignition.

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other materials). Scoop up material and place in sealed, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. See Section 13 for Waste Disposal Information.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wear protective gloves/protective clothing and eye/face protection. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Empty containers may contain harmful, flammable/combustible or explosive vapors/residue. Do not cut, drill, grind, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

Incompatible Materials Oxidizing materials. Metals. Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied contains hazardous substance(s) with established 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

Appropriate engineering controls

Engineering Controls Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Chemical splash goggles.

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Aromatic Hydrocarbon
Appearance	Clear to yellowish liquid	Odor Threshold	Not determined
Color	Clear to yellowish		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	204-296 °C / 400-565 °F	
Flash Point	> 93.3 °C / 200 °F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid- Not Applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	<1 mmHg	
Vapor Density	Not determined	
Specific Gravity	0.9218-0.9371	
Water Solubility	Very slightly soluble in cold water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	

Decomposition Temperature	Not determined
Kinematic Viscosity	<20 cSt at 40C
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined
Molecular weight	143-170
Density	7.67-7.80 lb/gal

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks. Avoid all possible sources of ignition.

Incompatible Materials

Oxidizing materials. Metals. Acids.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes.
Skin Contact	Harmful in contact with skin.
Inhalation	May be harmful if inhaled.
Ingestion	May be harmful if swallowed. May be fatal if swallowed and enters airways.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha (petroleum), heavy aromatic 64742-94-5	> 5000 mg/kg (Rat)	> 2 mL/kg (Rabbit)	> 590 mg/m ³ (Rat) 4 h
Naphthalene 91-20-3	2200 mg/kg to 2600 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	0.4 mg/L

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

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Reasonably anticipated to be Human Carcinogen

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Naphtha (petroleum), heavy aromatic 64742-94-5	2.5: 72 h Skeletonema costatum mg/L EC50	41: 96 h Pimephales promelas mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50	No data available	0.95: 48 h Daphnia magna mg/L EC50
Naphthalene 91-20-3	Naphthalene is considered slightly toxic to the green algae (<i>Chlorella vulgaris</i>) by the U.S. EPA. The 48-hour EC50 was 33 mg/L	The 96-hour LC50 for rainbow trout (<i>Oncorhynchus mykiss</i>) exposed to naphthalene was 2.0 mg/L. The NOAEC was 0.86 mg/L. The 96-hour LC50 in bluegill sunfish (<i>Lepomis macrochirus</i>) was 3.2 mg/L and the NOAEC was 1.4 mg/L. Researchers estimated the 96-hour LC50 in fathead minnows (<i>Pimephales promelas</i>) to be 6.6	No data available	Pacific oysters (<i>Crassostrea gigas</i>) exposed to naphthalene had a 96-h EC50 of 199 mg/L, which placed naphthalene in the U.S. EPA's practically nontoxic category for this species

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Naphtha (petroleum), heavy aromatic 64742-94-5	2.9 - 6.1
Naphthalene 91-20-3	Soil Sorption Coefficient (Koc): Values from 200-1470 have been reported worldwide in a variety of soil types. Octanol-Water Partition Coefficient (log Kow): 3.29

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. RQ of Naphthalene is 100 lbs.

DOT

UN/ID No	UN3082
Proper Shipping Name	Environmentally Hazardous Substances, liquid, n.o.s. (Aromatic Naphtha, Naphthalene), 9, UN3082
Hazard Class	PGIII RQ
Packing Group	9
	III

IATA

UN/ID No	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Aromatic Naphtha)
Hazard Class	9
Packing Group	III

IMDG

UN/ID No	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Aromatic Naphtha)
Hazard Class	9
Packing Group	III
Marine Pollutant	This material may meet the definition of a marine pollutant

TDG

UN/ID No UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Aromatic Naphtha)
Hazard Class 9
Packing Group III

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	FNCS	IECSC	KECL	PICCS	AICS
Naphtha (petroleum), heavy aromatic	Present	X		Present		Present	X	Present	X	X

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
FNCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

CWA (Clean Water Act)

This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce visible sheen on either surface of water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and Title 40 of the Code of Federal Regulations, Part 372.

SARA 313 Components:	
Naphthalene (CAS No. 91-20-3)	Conc. 0 – 0.5%

SARA (311/312) Reportable Hazard Categories: Delayed Health

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 might be listed below.

Naphthalene (91-20-3)	
U.S. California – Proposition 65 – Carcinogens List	Yes
U.S. California – Proposition 65 – Development 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

16. OTHER INFORMATION

NFPA**Health Hazards****Flammability****Instability****Special Hazards**

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Not determined

HMIS**Health Hazards****Flammability****Physical Hazards****Personal Protection**

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See Section 8 of SDS

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Revision Note: Update section 16.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet