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 ORG 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>64742-94-5</td>
<td>100</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>0 – 0.5%</td>
</tr>
</tbody>
</table>

---

### 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

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Exposure Guidelines
This product, as supplied contains hazardous substance(s) with established occupational exposure limits.

<table>
<thead>
<tr>
<th>Substance</th>
<th>USA ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>USA ACGIH</th>
<th>ACGIH STEL (ppm)</th>
<th>USA OSHA</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>USA OSHA</th>
<th>OSHA PEL (TWA) (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene (91-20-3)</td>
<td></td>
<td>10 ppm</td>
<td></td>
<td></td>
<td></td>
<td>15 ppm</td>
<td></td>
<td>10 ppm</td>
</tr>
</tbody>
</table>

##### 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear to yellowish liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Clear to yellowish</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic Hydrocarbon</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>204-296 ºC / 400-565 ºF</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 93.3 ºC / 200 ºF</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Liquid- Not Applicable</td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt;1 mmHg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.9218-0.9371</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Very slightly soluble in cold water</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
Decomposition Temperature  Not determined
Kinematic Viscosity  <20 cSt at 40°C
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

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2 mL/kg (Rabbit)</td>
<td>&gt; 590 mg/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>Naphthalene 91-20-3</td>
<td>2200 mg/kg to 2600 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>0.4 mg/L</td>
</tr>
</tbody>
</table>
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**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5</td>
<td>2.5: 72 h Skeletonema costatum mg/L EC50</td>
<td>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</td>
<td>No data available</td>
<td>0.95: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Naphthalene 91-20-3</td>
<td>Naphthalene is considered slightly toxic to the green algae (Chlorella vulgaris) by the U.S. EPA. The 48-hour EC50 was 93 mg/L</td>
<td>The 96-hour LC50 for rainbow trout (Oncorhynchus mykiss) exposed to naphthalene was 2.0 mg/L. The NOAEC was 0.86 mg/L. The 96-hour LC50 in bluegill sunfish (Lepomis macrochirus) was 3.2 mg/L and the NOAEC was 1.4 mg/L. Researchers estimated the 96-hour LC50 in fathead minnows (Pimephales promelas) to be 6.6</td>
<td>No data available</td>
<td>Pacific oysters (Crassostrea gigas) 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</td>
</tr>
</tbody>
</table>

**Persistence/Degradability**
Not determined.
Bioaccumulation
Not determined.

Mobility

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5</td>
<td>2.9 - 6.1</td>
</tr>
<tr>
<td>Naphthalene 91-20-3</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN3082</td>
<td>Environmentally Hazardous Substances, liquid, n.o.s. (Aromatic Naphtha, Naphthalene), 9, UN3082 PGIII RQ</td>
<td>9</td>
<td>III</td>
</tr>
</tbody>
</table>

IATA

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN3082</td>
<td>Environmentally hazardous substance, liquid, n.o.s. (Aromatic Naphtha)</td>
<td>9</td>
<td>III</td>
</tr>
</tbody>
</table>

IMDG

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN3082</td>
<td>Environmentally hazardous substance, liquid, n.o.s. (Aromatic Naphtha)</td>
<td>9</td>
<td>III</td>
</tr>
</tbody>
</table>

Marine Pollutant
This material may meet the definition of a marine pollutant
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NSDL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
- **ENCS** - 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.

<table>
<thead>
<tr>
<th>SARA 313 Components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene (CAS No. 91-20-3)</td>
<td>Conc. 0 – 0.5%</td>
</tr>
</tbody>
</table>

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) know 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)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. California – Proposition 65 – Carcinogens List</td>
<td>Yes</td>
</tr>
<tr>
<td>U.S. California – Proposition 65 – Development Toxicity</td>
<td>No</td>
</tr>
<tr>
<td>U.S. California – Proposition 65 – Reproductive Toxicity – Female</td>
<td>No</td>
</tr>
<tr>
<td>U.S. California – Proposition 65 – Reproductive Toxicity – Male</td>
<td>No</td>
</tr>
<tr>
<td>No significance risk level (NSRL)</td>
<td>5.8 µg/day</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

NFPA

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

HMIS

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
<td>See Section 8 of SDS</td>
</tr>
</tbody>
</table>

Issue Date: 21-Oct-2014
Revision Date: 12/17/15
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