1. IDENTIFICATION
Product Name: Aromatic 200
Synonym: Solvent Naphtha (petroleum) Heavy arom
Cas No: 64742-94-5

2. HAZARDS IDENTIFICATION
Classification of the substance or mixture

Classification (GHS-US)
Carcinogenicity Category 2
Specific target organ toxicity (single exposure) Category 3 - Narcotic effects 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

Signal word (GHS-US)
DANGER

Hazard statements (GHS-US)
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.
Do not breathe gas, mist, spray, vapors.
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.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents and container in accordance with all local, regional, national and international regulations.

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

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

3. COMPOSITION
MIXTURE

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS NO</th>
<th>% BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aromatic Hydrocarbons (C11-C14)</td>
<td>-</td>
<td>50-85</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>5-20</td>
</tr>
<tr>
<td>Aromatic Hydrocarbons (C10)</td>
<td>-</td>
<td>5-15</td>
</tr>
<tr>
<td>not including naphthalene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aromatic Hydrocarbons (C15-C16)</td>
<td>-</td>
<td>5-15</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES
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).
Suspected of causing cancer.

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.

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.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. FIRE FIGHTING MEASURES
Extinguishing media
Suitable extinguishing media

Unsuitable extinguishing media:
Do not use a heavy water stream.

Special hazards arising from the chemical
Fire hazard
Combustible liquid.

Explosion hazard
May form flammable/explosive vapor-air mixture.

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

6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures
Emergency procedures for non-emergency personnel:
Evacuate unnecessary personnel

Emergency procedures for emergency responders:
Ventilate area

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.

7. HANDLING AND STORAGE
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.

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.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

Naphthalene (91-20-3)

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>USA OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH TWA (ppm)</td>
<td>10 ppm</td>
<td></td>
</tr>
<tr>
<td>ACGIH STEL (ppm)</td>
<td>15 ppm</td>
<td></td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m3)</td>
<td>50 mg/m3</td>
<td></td>
</tr>
<tr>
<td>OSHA PEL (TWA) (ppm)</td>
<td>10 ppm</td>
<td></td>
</tr>
</tbody>
</table>

EXPOSURE CONTROLS

Appropriate engineering controls
Ensure adequate ventilation

Personal protective equipment
Avoid all unnecessary exposure.

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 breakthrough 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/flame 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Straw</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY
Reactivity
Combustible liquid.

Chemical stability
Stable at ambient temperature and under normal conditions of use.

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

Conditions to avoid

Incompatible materials
Strong oxidizing agents.

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.

11. TOXICOLOGICAL INFORMATION
Information on toxicological effects
Likely routes of exposure
Inhalation. Ingestion. Skin and eye contact.
Acute toxicity
Not classified

Aromatic 200 (64742-94-5)
LD50 oral rat > 2000 mg/kg
LD50 dermal rat > 5000 mg/kg
LC50 inhalation rat > 5 mg/l/4h Inhalation form: aerosol (mist)

Skin corrosion/irritation not classified
Serious eye damage/irritation not classified
Respiratory or skin sensitization not classified
Germ cell mutagenicity not classified
Carcinogenicity not classified

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.

Aromatic 200 (64742-94-5)
NOAEL (oral,rat,90 days) 300 mg/kg body weight/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

12. ECOLOGICAL INFORMATION
Toxicity
Ecology - General
Constituents of this type of aromatic solvent are expected to partition between air, water and soil

Persistence and degradability
Aromatic 200 (64742-94-5)
Persistencc and degradability
Constituents of this type of aromatic solvent are expected to biodegrade

Bioaccumulative potential: Not established

Mobility in soil
No additional information available

Other adverse effects
Other information: Avoid release to the environment
13. DISPOSAL CONSIDERATIONS
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.

14. TRANSPORT INFORMATION
US Transport (DOT) for Bulk Shipments (Non-Bulk Shipments May Differ)
Not a DOT controlled material

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)
Not an IMDG controlled material

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Product name: Poly(2+)cyclic aromatics
Pollution category: X
Ship type: 2

Cargo name listed in 46 CFR 30.25, Table 30.25-1
Poly(2+)cyclic aromatics

Cargo name listed in 46 CFR 153, Table 1
Poly(2+)cyclic aromatics

Air transport (IATA)
Not an IATA controlled material Date of issue: 05/07/2015

15. REGULATORY INFORMATION
US Federal regulations
Aromatic 200
This product is a substance under TSCA (CAS No. 64742-94-5; Solvent naphtha (petroleum), heavy arom.).
SARA 313
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 40 CFR 372

SARA 313 Components:

Naphthalene CAS No.: 91-20-3 Conc: 5 - 20%

SARA Section 311/312 Hazard Classes
Acute health hazard Fire hazard
Chronic health hazard
International regulations
CANADA
Aromatic 200 (64742-94-5)
WHMIS Classification
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 Sustances 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 Japanese
ENCS (Existing & New Chemical Substances) inventory
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)

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

16. OTHER INFORMATION
NFPA (National Fire Protection Association)
NFPA health hazard 1
NFPAfirehazard 1
NFPAreactivity 0

HMIS III Rating
Health 1*
Flammability 1
Physical Hazard 0
Personal Protection see section 8

Danger
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
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Get medical advice/attention if you feel unwell.
Store in a well-ventilated place. Keep container tightly closed.
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.

Date Created: 5/12/2015
Date Updated: 5/14/2015