



# SAFETY DATA SHEET

## 1. Product and Company Identification

|   |   |                           |  |
|---|---|---------------------------|--|
| <b>Product identifier</b>                                     | D&E 100, 150 - US only                          |                           |  |
| <b>Other means of identification</b>                          | Not available                                   |                           |  |
| <b>Recommended use</b>  | Lubricant                                       |                           |  |
| <b>Recommended restrictions</b>                               | None known.                                     |                           |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |                           |  |
| <b>Manufacturer</b>   |   |                           |  |
| <b>Company name</b>   | Irving Blending & Packaging                     |                           |  |
| <b>Address</b>  | PO Box 1169<br>Saint John, NB E2L 4E6<br>Canada |                           |  |
| <b>Telephone</b>  | Phone:  | 1.800.574.5823            |  |
| <b>E-mail</b>   | MSDS@irvingblend.com                            |                           |  |
| <b>Emergency phone number</b>                                 | Emergency Phone:                                | 1.800.424.9300 (CHEMTREC) |  |
|   | Emergency Phone:                                | 1.506.648.3060            |  |

## 2. Hazards Identification

|  |  |
|--|--|
| <b>Physical hazards</b>                          | Not classified.  |
| <b>Health hazards</b>                            | Not classified.  |
| <b>Environmental hazards</b>                     | Not classified.  |
| <b>OSHA defined hazards</b>                      | Not classified.  |
| <b>Label elements</b>                            |  |
| <b>Hazard symbol</b>                             | None.  |
| <b>Signal word</b>                               | None.  |
| <b>Hazard statement</b>                          | The mixture does not meet the criteria for classification.                     |
| <b>Precautionary statement</b>                   |  |
| <b>Prevention</b>                                | Observe good industrial hygiene practices.                                     |
| <b>Response</b>                                  | Wash hands after handling.   |
| <b>Storage</b>                                   | Store away from incompatible materials.  |
| <b>Disposal</b>                                  | Dispose of waste and residues in accordance with local authority requirements. |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |
| <b>Supplemental information</b>                  | Not applicable.  |

## 3. Composition/Information on Ingredients

### Mixtures

| <b>Chemical name</b>                                   | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b> |
|--|---------------------------------|-------------------|----------|
| 2,6-Di-tert-butylphenol                                |                                 | 128-39-2          | 0.1-1*   |
| Base Oil   |                                 | Trade Secret      | 30-60*   |
| Distillates (petroleum), hydrotreated light paraffinic |                                 | 64742-55-8        | 0.1-1*   |
| N-phenyl-1-naphthalenamine                             |                                 | 90-30-2           | 0.1-1*   |
| Paraffin Oils (petroleum), Catalytic Dewaxed Heavy     |                                 | 64742-70-7        | 30-60*   |

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

**Composition comments** US GHS: The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

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#### 4. First Aid Measures

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|   |   |
|---|---|
| <b>Inhalation</b>   | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist. |
| <b>Skin contact</b>   | Rinse skin with water/shower. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.                      |
| <b>Ingestion</b>  | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat patient symptomatically.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.   |

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#### 5. Fire Fighting Measures

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|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Dry chemical powder. Water fog. Foam. Carbon dioxide.   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

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#### 6. Accidental Release Measures

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|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep out of low areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.  |
| <b>Methods and materials for containment and cleaning up</b>               | Stop the flow of material, if this is without risk.<br><br>Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| <b>Environmental precautions</b>   | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.  |

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#### 7. Handling and Storage

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|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid prolonged exposure. Use care in handling/storage. Avoid contact with eyes, skin and clothing.             |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). |

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#### 8. Exposure Controls/Personal Protection

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##### Occupational exposure limits

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components  | Type | Value               | Form  |
|---|------|---------------------|-------|
| Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) | PEL  | 5 mg/m <sup>3</sup> | Mist. |
| Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)     | PEL  | 5 mg/m <sup>3</sup> | Mist. |

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**US. ACGIH Threshold Limit Values**

| Components  | Type | Value   | Form                |
|---|------|---------|---------------------|
| Base Oil (CAS Trade Secret)   | TWA  | 5 mg/m3 | Inhalable fraction. |
| Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) | TWA  | 5 mg/m3 | Inhalable fraction. |
| Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)     | TWA  | 5 mg/m3 | Inhalable fraction. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components  | Type | Value    | Form  |
|---|------|----------|-------|
| Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) | STEL | 10 mg/m3 | Mist. |
|   | TWA  | 5 mg/m3  | Mist. |
| Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)     | STEL | 10 mg/m3 | Mist. |
|   | TWA  | 5 mg/m3  | Mist. |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines****US ACGIH Threshold Limit Values: Skin designation**

|                           |                                   |
|---------------------------|-----------------------------------|
| Aniline (CAS 62-53-3)     | Can be absorbed through the skin. |
| Naphthalene (CAS 91-20-3) | Can be absorbed through the skin. |
| Phenol (CAS 108-95-2)     | Can be absorbed through the skin. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

|                       |                                   |
|-----------------------|-----------------------------------|
| Phenol (CAS 108-95-2) | Can be absorbed through the skin. |
|-----------------------|-----------------------------------|

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

|                               |                                   |
|-------------------------------|-----------------------------------|
| Aniline (CAS 62-53-3)         | Can be absorbed through the skin. |
| Ethyl acrylate (CAS 140-88-5) | Can be absorbed through the skin. |
| Phenol (CAS 108-95-2)         | Can be absorbed through the skin. |

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Impervious gloves. Confirm with reputable supplier first.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection**

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

**Thermal hazards**

Not applicable.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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## 9. Physical and Chemical Properties

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|  |                |
|--|----------------|
| <b>Appearance</b>                              | Liquid         |
| <b>Physical state</b>                          | Liquid.        |
| <b>Form</b>                                    | Liquid.        |
| <b>Color</b>                                   | Light brown    |
| <b>Odor</b>                                    | Petroleum      |
| <b>Odor threshold</b>                          | Not available. |
| <b>pH</b>                                      | Not available. |
| <b>Melting point/freezing point</b>            | Not available. |
| <b>Initial boiling point and boiling range</b> | Not available. |

|   |   |
|---|---|
| <b>Pour point</b>                                   | -2.2 - -20.2 °F (-19 - -29 °C)                                |
| <b>Specific gravity</b>                             | Not available.  |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.  |
| <b>Flash point</b>                                  | 446.0 - 456.8 °F (230.0 - 236.0 °C) Pensky-Martens Closed Cup |
| <b>Evaporation rate</b>                             | Not available.  |
| <b>Flammability (solid, gas)</b>                    | Not applicable.   |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not available.  |
| <b>Flammability limit - upper (%)</b>               | Not available.  |
| <b>Explosive limit - lower (%)</b>                  | Not available.  |
| <b>Explosive limit - upper (%)</b>                  | Not available.  |
| <b>Vapor pressure</b>                               | Not available.  |
| <b>Vapor density</b>                                | Not available.  |
| <b>Relative density</b>                             | 0.8726 - 0.8812 @ 15°C  |
| <b>Solubility(ies)</b>                              | Negligible  |
| <b>Auto-ignition temperature</b>                    | Not available.  |
| <b>Decomposition temperature</b>                    | Not available.  |
| <b>Viscosity</b>                                    | 12 - 15.5 cSt @ 100°C<br>90 - 165 cSt @ 40°C                  |

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## 10. Stability and Reactivity

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|   |   |
|---|---|
| <b>Reactivity</b>                         | This product may react with strong oxidizing agents.  |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.   |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of nitrogen. Oxides of carbon. Oxides of sulfur. Oxides of phosphorus. |

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## 11. Toxicological Information

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### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | May cause stomach distress, nausea or vomiting.          |

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

| Components                             | Species       | Test Results  |
|--|---------------|---------------|
| 2,6-Di-tert-butylphenol (CAS 128-39-2) |               |               |
| <b>Acute</b>                           |               |               |
| <i>Dermal</i>                          |               |               |
| LD50                                   | Rabbit        | > 10000 mg/kg |
| <i>Inhalation</i>                      |               |               |
| LC50                                   | Not available |               |
| <i>Oral</i>                            |               |               |
| LD50                                   | Mouse         | 2995 mg/kg    |
|  | Rat           | > 5000 mg/kg  |

| Components  | Species       | Test Results                 |
|---|---------------|------------------------------|
| Base Oil (CAS Trade Secret)   |               |                              |
| <b>Acute</b>  |               |                              |
| <i>Dermal</i>   |               |                              |
| LD50  | Rabbit        | > 4480 mg/kg                 |
|   | Rat           | > 2000 mg/kg                 |
| <i>Oral</i>   |               |                              |
| LD50  | Rat           | > 2000 mg/kg                 |
| Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) |               |                              |
| <b>Acute</b>  |               |                              |
| <i>Dermal</i>   |               |                              |
| LD50  | Rabbit        | > 5000 mg/kg, 24 Hours, ECHA |
|   |               | > 2000 mg/kg, ECHA           |
|   |               | > 2000 mg/kg, 24 Hours       |
| <i>Inhalation</i>   |               |                              |
| LC50  | Rat           | < 5.7 mg/L, 4 Hours, ECHA    |
|   |               | > 5.5 mg/L, 4 Hours, ECHA    |
|   |               | > 5.3 mg/L, 4 Hours, ECHA    |
|   |               | > 5.2 mg/L, 4 Hours, ECHA    |
|   |               | > 4 mg/L, 4 Hours, ECHA      |
|   |               | > 3.9 mg/L, 4 Hours, ECHA    |
|   |               | 2.2 mg/L, 4 Hours, ECHA      |
| <i>Oral</i>   |               |                              |
| LD50  | Rat           | > 5000 mg/kg, ECHA           |
|   |               | > 2000 mg/kg, ECHA           |
|   |               | 5000 mg/kg, ECHA             |
| N-phenyl-1-naphthalenamine (CAS 90-30-2)                                |               |                              |
| <b>Acute</b>  |               |                              |
| <i>Dermal</i>   |               |                              |
| LD50  | Rabbit        | > 5000 mg/kg, 24 Hours       |
| <i>Inhalation</i>   |               |                              |
| LC50  | Not available |                              |
| <i>Oral</i>   |               |                              |
| LD50  | Mouse         | 1231 mg/kg, ECHA             |
|   | Rat           | 2380 mg/kg, ECHA             |
|   |               | 1625 mg/kg, ECHA             |
| Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)     |               |                              |
| <b>Acute</b>  |               |                              |
| <i>Dermal</i>   |               |                              |
| LD50  | Rabbit        | > 5000 mg/kg, 24 Hours, ECHA |
|   |               | > 2000 mg/kg, 24 Hours, ECHA |
| <i>Inhalation</i>   |               |                              |
| LC50  | Rat           | < 5.7 mg/L, 4 Hours, ECHA    |
|   |               | > 5.5 mg/L, 4 Hours, ECHA    |
|   |               | > 5.3 mg/L, 4 Hours, ECHA    |
|   |               | > 5.2 mg/L, 4 Hours, ECHA    |
|   |               | > 4 mg/L, 4 Hours, ECHA      |
|   |               | > 3.9 mg/L, 4 Hours, ECHA    |
|   |               | 2.2 mg/L, 4 Hours, ECHA      |
| <i>Oral</i>   |               |                              |
| LD50  | Rat           | > 5000 mg/kg, ECHA           |

| Components  | Species  | Test Results       |
|---|--|--------------------|
|   |  | > 2000 mg/kg, ECHA |
|   |  | 5000 mg/kg, ECHA   |
| <b>Skin corrosion/irritation</b>  | Prolonged skin contact may cause temporary irritation.   |                    |
| <b>Exposure minutes</b>   | Not available.   |                    |
| <b>Erythema value</b>   | Not available.   |                    |
| <b>Oedema value</b>   | Not available.   |                    |
| <b>Serious eye damage/eye irritation</b>  | Direct contact with eyes may cause temporary irritation.   |                    |
| <b>Corneal opacity value</b>  | Not available.   |                    |
| <b>Iris lesion value</b>  | Not available.   |                    |
| <b>Conjunctival reddening value</b>   | Not available.   |                    |
| <b>Conjunctival oedema value</b>  | Not available.   |                    |
| <b>Recover days</b>   | Not available.   |                    |
| <b>Respiratory or skin sensitization</b>  |  |                    |
| <b>Respiratory sensitization</b>  | Not available.   |                    |
| <b>Skin sensitization</b>   | This product is not expected to cause skin sensitization.  |                    |
| <b>Germ cell mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                    |
| <b>Carcinogenicity</b>  | Contains < 3% (w/w) DMSO-extract   |                    |
| <b>ACGIH Carcinogens</b>  |  |                    |
| Aniline (CAS 62-53-3)   | A3 Confirmed animal carcinogen with unknown relevance to humans.   |                    |
| Base Oil (CAS Trade Secret)   | A2 Suspected human carcinogen.<br>A4 Not classifiable as a human carcinogen.                                     |                    |
| Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)         | A2 Suspected human carcinogen.   |                    |
| Ethyl acrylate (CAS 140-88-5)   | A4 Not classifiable as a human carcinogen.   |                    |
| Naphthalene (CAS 91-20-3)   | A4 Not classifiable as a human carcinogen.<br>A3 Confirmed animal carcinogen with unknown relevance to humans.   |                    |
| Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)             | A2 Suspected human carcinogen.   |                    |
| Phenol (CAS 108-95-2)   | A4 Not classifiable as a human carcinogen.   |                    |
| Toluene (CAS 108-88-3)  | A4 Not classifiable as a human carcinogen.   |                    |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>                   |  |                    |
| Aniline (CAS 62-53-3)   | Volume 27, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.                                    |                    |
| Ethyl acrylate (CAS 140-88-5)   | Volume 39, Supplement 7, Volume 71 - 2B Possibly carcinogenic to humans.   |                    |
| Naphthalene (CAS 91-20-3)   | Volume 82 - 2B Possibly carcinogenic to humans.  |                    |
| Phenol (CAS 108-95-2)   | Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.                                       |                    |
| Toluene (CAS 108-88-3)  | Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.                                       |                    |
| <b>US - California Proposition 65 - CRT: Listed date/Carcinogenic substance</b> |  |                    |
| 1-naphthylamine (CAS 134-32-7)  |  |                    |
| 2-naphthylamine (CAS 91-59-8)   |  |                    |
| Aniline (CAS 62-53-3)   |  |                    |
| Ethyl acrylate (CAS 140-88-5)   |  |                    |
| Naphthalene (CAS 91-20-3)   |  |                    |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>              |  |                    |
| Base Oil (CAS Trade Secret)   | Known To Be Human Carcinogen.  |                    |
| Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)         | Known To Be Human Carcinogen.  |                    |
| Naphthalene (CAS 91-20-3)   | Reasonably Anticipated to be a Human Carcinogen.   |                    |
| Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)             | Known To Be Human Carcinogen.  |                    |
| <b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>       |  |                    |
| Not regulated.  |  |                    |
| <b>Reproductive toxicity</b>  | This product is not expected to cause reproductive or developmental effects.                                     |                    |

|   |   |
|---|---|
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.   |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.   |
| <b>Aspiration hazard</b>                                  | Not available.  |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful.                      |
| <b>Further information</b>                                | This product has no known adverse effect on human health. |

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## 12. Ecological Information

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**Ecotoxicity** See below

**Ecotoxicological data**

| Components  | Species | Test Results        |
|---|---------|---------------------|
| 2,6-Di-tert-butylphenol (CAS 128-39-2)                                  |         |                     |
| Crustacea   | EC50    | Daphnia             |
|   |         | 0.45 mg/L, 48 Hours |
| Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) |         |                     |
| Crustacea   | EC50    | Daphnia             |
|   |         | 1000 mg/L, 48 Hours |

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

|                            |      |
|----------------------------|------|
| 2,6-Di-tert-butylphenol    | 4.92 |
| N-phenyl-1-naphthalenamine | 4.2  |

**Mobility in soil** No data available.

**Mobility in general** Not available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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## 13. Disposal Considerations

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**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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## 14. Transport Information

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**U.S. Department of Transportation (DOT)**

Not regulated as dangerous goods.

**Transportation of Dangerous Goods (TDG - Canada)**

Not regulated as dangerous goods.

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## 15. Regulatory Information

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**US federal regulations** This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

|                               |         |
|-------------------------------|---------|
| Aniline (CAS 62-53-3)         | Listed. |
| Ethyl acrylate (CAS 140-88-5) | Listed. |
| Naphthalene (CAS 91-20-3)     | Listed. |
| Phenol (CAS 108-95-2)         | Listed. |
| Toluene (CAS 108-88-3)        | Listed. |

**US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity**

|                       |          |
|-----------------------|----------|
| Aniline (CAS 62-53-3) | 5000 LBS |
| Phenol (CAS 108-95-2) | 1000 LBS |

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

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Aniline (CAS 62-53-3)  
Ethyl acrylate (CAS 140-88-5)  
Naphthalene (CAS 91-20-3)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

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

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Toluene (CAS 108-88-3) 6594

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Toluene (CAS 108-88-3) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

Toluene (CAS 108-88-3) 594

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Ethyl acrylate (CAS 140-88-5) High priority  
Phenol (CAS 108-95-2) Low priority

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations**

**US - Illinois Chemical Safety Act: Listed substance**

Aniline (CAS 62-53-3)  
Ethyl acrylate (CAS 140-88-5)  
Naphthalene (CAS 91-20-3)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US - Louisiana Spill Reporting: Listed substance**

Aniline (CAS 62-53-3) Listed.  
Ethyl acrylate (CAS 140-88-5) Listed.  
Naphthalene (CAS 91-20-3) Listed.  
Phenol (CAS 108-95-2) Listed.  
Toluene (CAS 108-88-3) Listed.

**US - Michigan Critical Materials Register: Parameter number**

Toluene (CAS 108-88-3) TOLUENE

**US - Minnesota Haz Subs: Listed substance**

Aniline (CAS 62-53-3) ANILINE AND HOMOLOGUES  
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) OIL MIST, MINERAL  
Ethyl acrylate (CAS 140-88-5) ETHYL ACRYLATE  
Naphthalene (CAS 91-20-3) NAPHTHALENE  
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7) OIL MIST, MINERAL  
Phenol (CAS 108-95-2) PHENOL  
Toluene (CAS 108-88-3) TOLUENE

**US - New Jersey RTK - Substances: Listed substance**

Aniline (CAS 62-53-3)  
Ethyl acrylate (CAS 140-88-5)  
Naphthalene (CAS 91-20-3)



Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US - North Carolina Toxic Air Pollutants: Listed substance**

Aniline (CAS 62-53-3)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

Ethyl acrylate (CAS 140-88-5)

**US - Washington Chemical of High Concern to Children: Listed substance**

Aniline (CAS 62-53-3)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Aniline (CAS 62-53-3)  
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)  
Ethyl acrylate (CAS 140-88-5)  
Naphthalene (CAS 91-20-3)  
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

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

Aniline (CAS 62-53-3)  
Ethyl acrylate (CAS 140-88-5)  
Naphthalene (CAS 91-20-3)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US. Pennsylvania RTK - Hazardous Substances**

Aniline (CAS 62-53-3)  
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)  
Ethyl acrylate (CAS 140-88-5)  
Naphthalene (CAS 91-20-3)  
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Aniline (CAS 62-53-3)  
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)  
Ethyl acrylate (CAS 140-88-5)  
Naphthalene (CAS 91-20-3)  
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US. Rhode Island RTK**

Aniline (CAS 62-53-3)  
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)  
Ethyl acrylate (CAS 140-88-5)  
Naphthalene (CAS 91-20-3)  
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)  
Phenol (CAS 108-95-2)  
Toluene (CAS 108-88-3)

**US. California Proposition 65**



**WARNING:** This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

|                                |                           |
|--------------------------------|---------------------------|
| 1-naphthylamine (CAS 134-32-7) | Listed: October 1, 1989   |
| 2-naphthylamine (CAS 91-59-8)  | Listed: February 27, 1987 |
| Aniline (CAS 62-53-3)          | Listed: January 1, 1990   |
| Ethyl acrylate (CAS 140-88-5)  | Listed: July 1, 1989      |
| Naphthalene (CAS 91-20-3)      | Listed: April 19, 2002    |

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

|                        |                         |
|------------------------|-------------------------|
| Toluene (CAS 108-88-3) | Listed: January 1, 1991 |
|------------------------|-------------------------|

Country(s) or region

Inventory name

On inventory (yes/no)\*

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

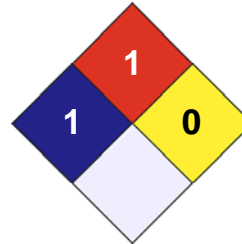
Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

### 16. Other Information

| LEGEND   |   |
|----------|---|
| Severe   | 4 |
| Serious  | 3 |
| Moderate | 2 |
| Slight   | 1 |
| Minimal  | 0 |

|                     |     |
|---------------------|-----|
| HEALTH              | / 1 |
| FLAMMABILITY        | 1   |
| PHYSICAL HAZARD     | 0   |
| PERSONAL PROTECTION | X   |



**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

**Issue date**

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**Version #**

01

**Further information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

**Other information**

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**Prepared by**

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