

Product Name: MOBILTAC 375 NC SPRAY  
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## SAFETY DATA SHEET

### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT

**Product Name:** MOBILTAC 375 NC SPRAY  
**Product Description:** Hydrocarbons and Additives  
**Product Code:** 201560404090, 614081-00, 97CC10  
**Intended Use:** Aerosol lubricant

#### COMPANY IDENTIFICATION

**Supplier:** EXXON MOBIL CORPORATION  
22777 Springwoods Village Parkway  
Spring, TX. 77389 USA

**24 Hour Health Emergency** 609-737-4411  
**Transportation Emergency Phone** 800-424-9300 or 703-527-3887 CHEMTREC  
**Product Technical Information** 800-662-4525  
**MSDS Internet Address** <http://www.exxon.com>, <http://www.mobil.com>

### SECTION 2 HAZARDS IDENTIFICATION

This material is hazardous according to regulatory guidelines (see (M)SDS Section 15).

#### CLASSIFICATION:

Aerosol: Category 1.  
Skin irritation: Category 2. Specific target organ toxicant (central nervous system): Category 3. Aspiration toxicant: Category 1.

#### LABEL:

##### Pictogram:



**Signal Word:** Danger

#### Hazard Statements:

H222: Extremely flammable aerosol. H229: Pressurized container: may burst if heated. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness.

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### Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use. P210: Keep away from heat/sparks/open flames/hot surfaces. -- No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P261: Avoid breathing gas. P264: Wash skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P331: Do NOT induce vomiting. P332 + P313: If skin irritation occurs: Get medical advice/ attention. P362 + P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage. P403 + P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. P501: Dispose of contents and container in accordance with local regulations.

**Contains:** HYDROTREATED LIGHT NAPHTHA

### Other hazard information:

**HAZARD NOT OTHERWISE CLASSIFIED (HNOC):** None as defined under 29 CFR 1910.1200.

### PHYSICAL / CHEMICAL HAZARDS

Contact with liquefied gas can cause damage (frostbite) due to rapid evaporative cooling. Suffocation (asphyxiant) hazard - if allowed to accumulate to concentrations that reduce oxygen below safe breathing levels. Material can accumulate static charges which may cause an ignition. Material can release vapors that readily form flammable mixtures. Vapor accumulation could flash and/or explode if ignited.

### HEALTH HAZARDS

High-pressure injection under skin may cause serious damage. May be irritating to the eyes, nose, throat, and lungs. May cause central nervous system depression.

### ENVIRONMENTAL HAZARDS

Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**NFPA Hazard ID:** Health: 2 Flammability: 4 Reactivity: 1  
**HMIS Hazard ID:** Health: 2\* Flammability: 4 Reactivity: 1

**NOTE:** This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

This material is defined as a mixture.

### Hazardous Substance(s) or Complex Substance(s) required for disclosure

| Name                          | CAS#       | Concentration* | GHS Hazard Codes  |
|-------------------------------|------------|----------------|-------------------|
| ASPHALT (PETROLEUM)           | 8052-42-4  | 20 - < 30%     | None              |
| BUTANE                        | 106-97-8   | 5 - < 10%      | H220, H280        |
| HYDROTREATED LIGHT DISTILLATE | 64742-47-8 | 10 - < 20%     | H226, H304, H336, |

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|  |            |            |                                       |
|--|------------|------------|---------------------------------------|
|  |            |            | H315, H401, H411                      |
| HYDROTREATED LIGHT NAPHTHA                 | 64742-49-0 | 20 - < 30% | H225, H304, H336,<br>H315, H401, H411 |
| HYDROTREATED MIDDLE DISTILLATE (PETROLEUM) | 64742-46-7 | 5 - < 10%  | H227, H304, H332,<br>H315, H401, H411 |
| NAPHTHENIC ACIDS, ZINC SALTS               | 12001-85-3 | 1 - < 5%   | H315, H319(2A), H401,<br>H411         |
| PROPANE                                    | 74-98-6    | 10 - < 20% | H220, H280                            |

\* All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

#### SECTION 4 FIRST AID MEASURES

##### INHALATION

Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

##### SKIN CONTACT

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

##### EYE CONTACT

Flush thoroughly with water for at least 15 minutes. Get medical assistance.

##### INGESTION

Seek immediate medical attention. Do not induce vomiting.

##### NOTE TO PHYSICIAN

This light hydrocarbon material, or a component, may be associated with cardiac sensitization following very high exposures (well above occupational exposure limits) or with concurrent exposure to high stress levels or heart-stimulating substances like epinephrine. Administration of such substances should be avoided.

#### SECTION 5 FIRE FIGHTING MEASURES

##### EXTINGUISHING MEDIA

**Appropriate Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

**Inappropriate Extinguishing Media:** Straight Streams of Water

##### FIRE FIGHTING

**Fire Fighting Instructions:** Evacuate area. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop a leak. Prevent runoff from fire control or dilution from

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entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

**Unusual Fire Hazards:** Extremely Flammable. This liquid is volatile and gives off invisible vapors. Hazardous material. Firefighters should consider protective equipment indicated in Section 8. Aerosol cans involved in fire may rupture and become projectiles.

**Hazardous Combustion Products:** Aldehydes, Oxides of carbon, Smoke, Fume, Incomplete combustion products, Sulfur oxides

#### FLAMMABILITY PROPERTIES

**Flash Point [Method]:** <-18°C (0°F)

**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D

**Autoignition Temperature:** N/D

### SECTION 6

### ACCIDENTAL RELEASE MEASURES

#### NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

#### PROTECTIVE MEASURES

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. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

For emergency responders: Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when applicable, H<sub>2</sub>S, or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic and, if necessary, heat resistant and thermal insulated material is recommended.

#### SPILL MANAGEMENT

**Land Spill:** Stop leak if you can do it without risk. Do not direct water at spill or source of leak. Prevent entry into waterways, sewer, basements or confined areas. If possible, turn leaking containers so that gas escapes rather than liquid. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Ventilate the area. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Water Spill:** See Land Spill section of the (M)SDS for advice for gases.

Water spill and land spill recommendations are based on the most likely spill scenario for this material;

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however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

## ENVIRONMENTAL PRECAUTIONS

Prevent entry into waterways, sewers, basements or confined areas.

## SECTION 7 HANDLING AND STORAGE

### HANDLING

Avoid breathing mists or vapors. Contents under pressure. Do not puncture. Avoid contact with skin. Prevent exposure to ignition sources, for example use non-sparking tools and explosion-proof equipment. Potentially toxic/irritating fumes/vapors may be evolved from heated or agitated material. Use only with adequate ventilation. Material can accumulate static charges which may cause an electrical spark (ignition source). Do not smoke and do not spray near a naked flame or other sources of ignition.

**Static Accumulator:** This material is a static accumulator.

### STORAGE

The container choice, for example storage vessel, may effect static accumulation and dissipation. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Outside or detached storage preferred.

**Storage Temperature:** < 48°C (118°F)

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMIT VALUES

Exposure limits/standards (Note: Exposure limits are not additive)

| Substance Name  | Form                | Limit / Standard |            |          | NOTE | Source  |
|---|---------------------|------------------|------------|----------|------|---------|
| ASPHALT (PETROLEUM) [benzene solubles]                  | Inhalable fraction. | TWA              | 0.5 mg/m3  |          | N/A  | ACGIH   |
| BUTANE  |                     | STEL             | 1000 ppm   |          | N/A  | ACGIH   |
| HYDROTREATED LIGHT DISTILLATE [total hydrocarbon vapor] | Non-Aerosol         | TWA              | 200 mg/m3  |          | Skin | ACGIH   |
| HYDROTREATED MIDDLE DISTILLATE (PETROLEUM)              | Mist.               | TWA              | 5 mg/m3    |          | N/A  | OSHA Z1 |
| PROPANE   |                     | TWA              | 1800 mg/m3 | 1000 ppm | N/A  | OSHA Z1 |

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

No biological limits allocated.

### ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions.

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Control measures to consider:

Adequate ventilation should be provided so that exposure limits are not exceeded.

## PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protection:** If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

No special requirements under ordinary conditions of use and with adequate ventilation.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

**Hand Protection:** Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:

Chemical resistant gloves are recommended.

**Eye Protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin and Body Protection:** Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

Chemical/oil resistant clothing is recommended.

**Specific Hygiene Measures:** 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. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

## ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

**Note:** Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

## GENERAL INFORMATION

**Physical State:** Gas

**Form:** Liquified

**Color:** Black

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**Odor:** Petroleum/Solvent

**Odor Threshold:** N/D

**IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION**

**Relative Density (at 15 °C):** 0.78 - 0.79

**Flammability (Solid, Gas):** N/A

**Flash Point [Method]:** <-18°C (0°F)

**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D

**Autoignition Temperature:** N/D

**Boiling Point / Range:** -45°C (-49°F)

**Decomposition Temperature:** N/D

**Vapor Density (Air = 1):** N/D

**Vapor Pressure:** 445.018 kPa (3346 mm Hg) at 20 °C

**Evaporation Rate (n-butyl acetate = 1):** N/D

**pH:** N/A

**Log Pow (n-Octanol/Water Partition Coefficient):** N/D

**Solubility in Water:** Negligible

**Viscosity:** [N/D at 40 °C]

**Oxidizing Properties:** See Hazards Identification Section.

**OTHER INFORMATION**

**Freezing Point:** N/D

**Melting Point:** N/A

**SECTION 10**

**STABILITY AND REACTIVITY**

**REACTIVITY:** See sub-sections below.

**STABILITY:** Material is stable under normal conditions.

**CONDITIONS TO AVOID:** Avoid heat, sparks, open flames and other ignition sources.

**MATERIALS TO AVOID:** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Material does not decompose at ambient temperatures.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization will not occur.

**SECTION 11**

**TOXICOLOGICAL INFORMATION**

**INFORMATION ON TOXICOLOGICAL EFFECTS**

| <b>Hazard Class</b>                             | <b>Conclusion / Remarks</b>   |
|---|---|
| <b>Inhalation</b>                               |   |
| Acute Toxicity: No end point data for material. | Minimally Toxic. Based on assessment of the components.   |
| Irritation: No end point data for material.     | Elevated temperatures or mechanical action may form vapors, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs. |
| <b>Ingestion</b>                                |   |
| Acute Toxicity: No end point data for           | Minimally Toxic. Based on assessment of the components.   |

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|  |   |
|--|---|
| material.  |   |
| <b>Skin</b>  |   |
| Acute Toxicity: No end point data for material.                | Minimally Toxic. Based on assessment of the components.   |
| Skin Corrosion/Irritation: No end point data for material.     | Irritating to the skin. Based on assessment of the components.  |
| <b>Eye</b>   |   |
| Serious Eye Damage/Irritation: No end point data for material. | May cause mild, short-lasting discomfort to eyes. Moderately irritating to the eyes. Based on assessment of the components. |
| <b>Sensitization</b>   |   |
| Respiratory Sensitization: No end point data for material.     | Not expected to be a respiratory sensitizer.  |
| Skin Sensitization: No end point data for material.            | Not expected to be a skin sensitizer. Based on assessment of the components.  |
| <b>Aspiration:</b> Data available.                             | May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.                         |
| <b>Germ Cell Mutagenicity:</b> No end point data for material. | Not expected to be a germ cell mutagen. Based on assessment of the components.  |
| <b>Carcinogenicity:</b> No end point data for material.        | Not expected to cause cancer. Based on assessment of the components.  |
| <b>Reproductive Toxicity:</b> No end point data for material.  | Not expected to be a reproductive toxicant. Based on assessment of the components.  |
| <b>Lactation:</b> No end point data for material.              | Not expected to cause harm to breast-fed children.  |
| <b>Specific Target Organ Toxicity (STOT)</b>                   |   |
| Single Exposure: No end point data for material.               | May cause drowsiness or dizziness.  |
| Repeated Exposure: No end point data for material.             | Not expected to cause organ damage from prolonged or repeated exposure. Based on assessment of the components.              |

## OTHER INFORMATION

### For the product itself:

Suffocation (asphyxiant) hazard - if allowed to accumulate to concentrations that reduce oxygen below safe breathing levels. High vapor concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects.

Very high exposure (confined spaces / abuse) to light hydrocarbons may result in abnormal heart rhythm (arrhythmias). Concurrent high stress levels and/or co-exposure to high levels of hydrocarbons (above occupational exposure limits), and to heart-stimulating substances like epinephrine, nasal decongestants, asthma drugs, or cardiovascular drugs may initiate arrhythmias.

#### Contains:

Asphalt (bitumen): May contain low levels of polycyclic aromatic compounds (PACs), some of which are suspected of causing cancer under conditions of poor industrial hygiene and prolonged repeated contact. These PACs may also be inhaled. Inhalation studies at high concentrations of fumes resulted in bronchitis, pneumonitis, fibrosis and cell damage. Avoid contact with the asphalt emissions. Middle distillates: Carcinogenic in animal tests. Lifetime skin painting tests produced tumors, but the mechanism is due to repeated cycles of skin damage and restorative hyperplasia. This mechanism is considered unlikely in humans where such prolonged skin irritation would not be tolerated. Did not cause mutations In Vitro. Inhalation of vapors did not result in reproductive or developmental effects in laboratory animals. Inhalation of high concentrations in animals resulted in respiratory tract irritation, lung changes and some reduction in lung function. Non-sensitizing in test animals.



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The following ingredients are cited on the lists below: None.

--REGULATORY LISTS SEARCHED--

1 = NTP CARC

3 = IARC 1

5 = IARC 2B

2 = NTP SUS

4 = IARC 2A

6 = OSHA CARC

## SECTION 12

## ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

### ECOTOXICITY

Material -- Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### MOBILITY

More volatile component -- Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

High molecular wt. component -- Low water solubility, expected to sink and migrate into the sediment. Expected to partition to sediment and wastewater solids.

Components -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

### PERSISTENCE AND DEGRADABILITY

#### Biodegradation:

A component -- Expected to be readily biodegradable.

Components -- Expected to be inherently biodegradable

High molecular wt. component -- Expected to be persistent.

#### Atmospheric Oxidation:

A component -- Expected to degrade rapidly in air

Components -- Expected to degrade at a moderate rate in air

### BIOACCUMULATION POTENTIAL

Components -- Potential to bioaccumulate is low.

Majority of components -- Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

### OTHER ECOLOGICAL INFORMATION

VOC (EPA Method 24): 2.611 lbs/gal

## SECTION 13

## DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

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## DISPOSAL RECOMMENDATIONS

Contents under pressure. Do not puncture. Do not incinerate. Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Dispose of empty container as normal refuse.

## REGULATORY DISPOSAL INFORMATION

RCRA Information: Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP). Potential RCRA characteristics: IGNITABILITY.

**Empty Container Warning** Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

## SECTION 14

## TRANSPORT INFORMATION

### LAND (DOT)

**Proper Shipping Name:** AEROSOLS, FLAMMABLE

**Hazard Class & Division:** 2.1

**ID Number:** 1950

**Packing Group:** (N/A)

**ERG Number:** 126

**Label(s):** 2.1

**Transport Document Name:** UN1950, AEROSOLS, FLAMMABLE, 2.1

### LAND (TDG)

**Proper Shipping Name:** AEROSOLS, FLAMMABLE, N.O.S.

**Hazard Class & Division:** 2.1

**UN Number:** 1950

**Packing Group:** (N/A)

### SEA (IMDG)

**Proper Shipping Name:** AEROSOLS

**Hazard Class & Division:** 2.1

**EMS Number:** F-D, S-U

**UN Number:** 1950

**Packing Group:** (N/A)

**Marine Pollutant:** Yes

**Label(s):** 2.1

**Transport Document Name:** UN1950, AEROSOLS, 2.1, (-17.8°C c.c.), MARINE POLLUTANT

### AIR (IATA)

**Proper Shipping Name:** AEROSOLS, FLAMMABLE

**Hazard Class & Division:** 2.1

**UN Number:** 1950

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**Packing Group:** (N/A)

**Label(s) / Mark(s):** 2.1

**Transport Document Name:** UN1950, AEROSOLS, FLAMMABLE, 2.1

|                   |                               |
|-------------------|-------------------------------|
| <b>SECTION 15</b> | <b>REGULATORY INFORMATION</b> |
|-------------------|-------------------------------|

**OSHA HAZARD COMMUNICATION STANDARD:** This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

**Listed or exempt from listing/notification on the following chemical inventories:** AICS, DSL, IECSC, KECI, PICCS, TSCA

**EPCRA SECTION 302:** This material contains no extremely hazardous substances.

**SARA (311/312) REPORTABLE HAZARD CATEGORIES:** Fire. Pressure. Immediate Health.

**SARA (313) TOXIC RELEASE INVENTORY:**

| Chemical Name                | CAS Number | Typical Value |
|------------------------------|------------|---------------|
| NAPHTHENIC ACIDS, ZINC SALTS | 12001-85-3 | 1 - < 5%      |

The following ingredients are cited on the lists below:

| Chemical Name                              | CAS Number | List Citations        |
|--|------------|-----------------------|
| ASPHALT (PETROLEUM)                        | 8052-42-4  | 1, 13, 16, 17, 18     |
| BUTANE                                     | 106-97-8   | 1, 13, 16, 17, 18, 19 |
| HYDROTREATED LIGHT DISTILLATE              | 64742-47-8 | 1, 17, 18             |
| HYDROTREATED MIDDLE DISTILLATE (PETROLEUM) | 64742-46-7 | 4, 17, 18             |
| NAPHTHENIC ACIDS, ZINC SALTS               | 12001-85-3 | 13, 15, 17, 19        |
| PROPANE                                    | 74-98-6    | 4, 13, 16, 17, 18, 19 |

--REGULATORY LISTS SEARCHED--

- |               |                  |                   |             |
|---------------|------------------|-------------------|-------------|
| 1 = ACGIH ALL | 6 = TSCA 5a2     | 11 = CA P65 REPRO | 16 = MN RTK |
| 2 = ACGIH A1  | 7 = TSCA 5e      | 12 = CA RTK       | 17 = NJ RTK |
| 3 = ACGIH A2  | 8 = TSCA 6       | 13 = IL RTK       | 18 = PA RTK |
| 4 = OSHA Z    | 9 = TSCA 12b     | 14 = LA RTK       | 19 = RI RTK |
| 5 = TSCA 4    | 10 = CA P65 CARC | 15 = MI 293       |             |

Code key: CARC=Carcinogen; REPRO=Reproductive

|                   |                          |
|-------------------|--------------------------|
| <b>SECTION 16</b> | <b>OTHER INFORMATION</b> |
|-------------------|--------------------------|

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N/D = Not determined, N/A = Not applicable

**KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (for information only):**

H220: Extremely flammable gas; Flammable Gas, Cat 1

H225: Highly flammable liquid and vapor; Flammable Liquid, Cat 2

H226: Flammable liquid and vapor; Flammable Liquid, Cat 3

H227: Combustible liquid; Flammable Liquid, Cat 4

H280: Contains gas under pressure; may explode if heated; Pressurized Gas

H304: May be fatal if swallowed and enters airways; Aspiration, Cat 1

H315: Causes skin irritation; Skin Corr/Irritation, Cat 2

H319(2A): Causes serious eye irritation; Serious Eye Damage/Irr, Cat 2A

H332: Harmful if inhaled; Acute Tox Inh, Cat 4

H336: May cause drowsiness or dizziness; Target Organ Single, Narcotic

H401: Toxic to aquatic life; Acute Env Tox, Cat 2

H411: Toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 2

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:**

Updates made in accordance with implementation of GHS requirements.

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