



Section 01 - Identification

| | |
|-------------------------------------|--|
| Product Identifier | Liquid Form Release |
| Other Means of Identification | None |
| Product Use and Restrictions on Use | Solvent |
| Initial Supplier Identifier | Advance Chemicals Ltd. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7 |
| Prepared By | ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503 |
| 24-Hour Emergency Phone | Phone: 1 (306) 664 – 2522 |

Section 02 - Hazard Identification

GHS-Classification

| | |
|---------------------------|------------|
| Skin Corrosion/Irritation | Category 2 |
| Aspiration Hazard | Category 1 |
| STOT-Single Exposure | Category 3 |

Physical Hazards

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|------------------|------------|
| Flammable Liquid | Category 3 |
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Danger

Hazards Statements

H315 – Causes skin irritation.
H304 – May be fatal if swallowed and enters airways.
H336 – May cause drowsiness or dizziness.
H226 – Flammable liquid and vapour.

Pictograms



Precautionary Statements

P405 – Store locked up.

P403 + P235 – Store in a well-ventilated place. Keep cool.

P210 – Keep away from heat, sparks, open flames, and hot surfaces. — No smoking.

P233 – Keep container tightly closed.

P240 – Ground/bond container and receiving equipment.

P241 – Use explosion-proof electrical, ventilating, lighting, and equipment.

P242 – Use only non-sparking tools.

P243 – Take precautionary measures against static discharge.

P370 + P378 – In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.

P271 – Use only outdoors or in a well-ventilated area.

P261 – Avoid breathing gas, mist, vapours, and spray.

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P280 – Wear protective gloves, protective clothing, eye protection, and face protection.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 – If skin irritation occurs: Get medical advice/attention.

P362 – Take off contaminated clothing and wash before reuse.

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 – Do NOT induce vomiting.

P501 – Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 03 - Composition / Information on Ingredients

| Chemical Name | CAS Number | Weight % | Unique Identifiers |
|---|------------|----------|--------------------|
| Naptha (Petroleum), Hydrotreated Heavy | 64742-48-9 | 100% | |

Section 04 - First Aid Measures

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| Inhalation | Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention. |
| Skin Contact / Absorption | Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water and non-abrasive soap for 30 minutes. If irritation occurs, seek medical attention. Completely decontaminate clothing, shoes and leather goods before re-use or discard. |
| Eye Contact | Immediately flush eye(s) with lukewarm, gently flowing water for 30 minutes, while forcibly holding the eyelid(s) open to ensure complete irrigation of the eye tissue. If irritation persists, seek medical attention. |
| Ingestion | Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth with water. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth again. Seek immediate medical attention. |
| Additional Information | Not Available |

Section 05 - Fire Fighting Measures

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| Suitable Extinguishing Media | Use water fog, foam, dry chemical or carbon dioxide. |
| Unsuitable Extinguishing Media | Straight streams of water. |
| Specific Hazards Arising From the Chemical | Carbon monoxide, carbon dioxide and reactive hydrocarbons may be generated in a fire. |
| Special Protective Equipment and Precautions for Fire-Fighters | Wear NIOSH-approved self-contained breathing apparatus and protective gear. |
| Further Information | Not Available |

Section 06 - Accidental Release Measures

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| Personal Precautions / Protective Equipment / Emergency Procedures | Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue. |
| Environmental Precautions | Prevent product from entering sewers or waterways. |
| Methods and Materials for Containment and Cleaning Up | A vapour-suppressing foam may be used to reduce vapour. Use clean non-sparking tools to collect absorbed material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to suitable, labelled containers for proper disposal. Contaminated absorbent may pose the same hazards as the spilled product. LARGE SPILLS: Water spray may reduce the vapour, but may not prevent ignition in enclosed spaces. Recover by pumping or with suitable absorbent. |

Section 07 - Handling and Storage

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| Precautions for Safe Handling | Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure. |
| Conditions for Safe Storage | Store containers in a cool, dry, well-ventilated area. Keep away from heat, flames and sources of ignition. Keep away from incompatible materials. |
| Incompatibilities | Strong oxidizers. |

Section 08 - Exposure Controls and Personal Protection

Exposure Limit(s)

| Component | Regulation | Type of Listing | Value |
|--|-----------------|-----------------|-------|
| Naptha (Petroleum), Hydrotreated Heavy | Not Established | | |

Engineering Control(s)

Ventilation Requirements Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.

Other Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

Protective Equipment

Eyes/Face Chemical safety goggles and/or a face shield should be worn while product is being handled. Contact lenses should not be worn as they may contribute to severe eye injury.

Hand Protection Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Skin and Body Protection Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Impervious boots of chemically resistant material should be worn at all times. No special footwear is required other than what is mandated at place of work.

Respiratory Protection 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/vapour warning properties are poor, or if air purifying filters capacity/rating may be exceeded.

Thermal Hazards

Not Available

Section 09 - Physical and Chemical Properties

Appearance

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|-----------------|----------------|
| Physical State | Liquid |
| Colour | Clear |
| Odour | Odourless |
| Odour Threshold | Not Applicable |

Property

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|---|-----------------------------|
| pH | Not Applicable |
| Melting Point/Freezing Point | <0°C (32°F) |
| Initial Boiling Point and Boiling Range | 189-209°C (372-408°F) |
| Flash Point | 62°C (144°F) |
| Evaporation Rate | 0.09 |
| Flammability | Flammable |
| Upper Flammable Limit | 5.3% |
| Lower Flammable Limit | 0.7% |
| Vapour Pressure (mm Hg, 20°C) | 0.31 |
| Vapour Density (Air=1) | 5.6 |
| Relative Density | 764 kg/m ³ |
| Solubility(ies) | Negligible |
| Partition Coefficient: n-octanol/water | Log P _{ow} = 2.1-6 |
| Auto-ignition Temperature | 335°C (635°F) |
| Decomposition Temperature | Not Available |
| Viscosity | 1.56cSt |
| Explosive Properties | None |
| Specific Gravity (Water=1) | 0.7-0.87 |
| % Volatiles by Volume | Not Available |
| Formula | Complex hydrocarbon mixture |
| Molecular Weight | Not Available |

Section 10 - Stability and Reactivity

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| Reactivity | Not Available |
| Stability | Stable. |
| Possibility of Hazardous Reactions | None known. |
| Conditions to Avoid | Heat, sparks, flames and sources of ignition. |
| Incompatible Materials | Strong oxidizers. |
| Hazardous Decomposition Products | Carbon monoxide, carbon dioxide and reactive hydrocarbons. |

Section 11 - Toxicological Information

Acute Toxicity

| Component | Oral LD₅₀ | Dermal LD₅₀ | Inhalation LC₅₀ |
|---|-----------------------------|-------------------------------|-----------------------------------|
| Naptha (Petroleum), Hydrotreated Heavy | Not Available | Not Available | Not Available |

Chronic Toxicity – Carcinogenicity

| Component | IARC |
|--|---|
| Naptha (Petroleum), Hydrotreated Heavy | Group 3: No classifiable as to its carcinogenicity. |

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|--|---|
| Skin Corrosion/Irritation | Can cause skin irritation. Prolonged contact may cause skin dryness and cracking. |
| Ingestion | May cause gastrointestinal discomfort, nausea, vomiting and diarrhea. |
| Inhalation | Can cause depression of the central nervous system with symptoms of headaches, nausea, dizziness and drowsiness. |
| Serious Eye Damage/Irritation | May cause mild irritation. |
| Respiratory or Skin Sensitization | Not Available |
| Germ Cell Mutagenicity | Not Available |
| Reproductive Toxicity | Not Available |
| STOT-Single Exposure | May cause drowsiness or dizziness. |
| STOT-Repeated Exposure | Not Available |
| Aspiration Hazard | Can enter the airways during ingestion or from vomiting resulting in severe lung irritation, damage to the lung tissues and even death. |
| Synergistic Materials | Not Available |

Section 12 – Ecological Information

Ecotoxicity

| Component | Toxicity to Algae | Toxicity to Fish | Toxicity to Daphnia and Other Aquatic Invertebrates |
|---|-----------------------------|-------------------------|--|
| Naptha (Petroleum), Hydrotreated Heavy | Not Available | Not Available | Not Available |
| Biodegradability | Not expected to biodegrade. | | |
| Bioaccumulation | Not Available | | |

Mobility Not Available

Other Adverse Effects Not expected to be harmful to aquatic organisms.

Section 13 – Disposal Considerations

Waste From Residues/Unused Products Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Contaminated Packaging Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 – Transport Information

UN Number Not Regulated

UN Proper Shipping Name Not Regulated

Transport Hazard Class(es) Not Regulated

Packaging Group Not Regulated

Environmental Hazards Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.

Special Precautions Not Available

Transport in Bulk Not Available

TDG

Other Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

Section 15 – Regulatory Information

NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

Section 16 – Other Information

Preparation Date January 20, 2016

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution[®] initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

References:

- 1) CHEMINFO
- 2) eChemPortal

- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA

Advance Chemicals Ltd. - Locations

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