

Product Name: CUTBACK ASPHALT MC 70 TIS  
Revision Date: 11 Jul 2018  
Page 1 of 12

## SAFETY DATA SHEET

### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT

**Product Name:** CUTBACK ASPHALT MC 70 TIS  
**Product Description:** Modified Asphalt/Bitumen  
**Product Code:** 101090403020, 282046-88  
**Recommended Use:** Asphalt/bitumen

#### COMPANY IDENTIFICATION

**Supplier:** Esso (Thailand) Public Company Limited  
3195/17-29 Rama IV Road, Klong Ton  
Klong Toey District  
Bangkok 10110 Thailand

|                                    |                                       |
|------------------------------------|---------------------------------------|
| <b>24 Hour Emergency Telephone</b> | 001-800-13-203-9987 / +1-703-527-3887 |
| <b>Supplier General Contact</b>    | 662-407-4000                          |
| <b>FAX</b>                         | 662-407-4800                          |

### SECTION 2 HAZARDS IDENTIFICATION

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

#### CLASSIFICATION:

Flammable liquid: Category 3.  
Skin irritation: Category 3. Carcinogen: Category 2.  
Acute aquatic toxicant: Category 2. Chronic aquatic toxicant: Category 2.

#### LABEL ELEMENTS:

##### Pictograms:





**Signal Word:** Warning

**Hazard Statements:**

H226: Flammable liquid and vapour.  
H316: Causes mild skin irritation. H351: Suspected of causing cancer.  
H411: Toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces. -- No smoking. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical, ventilating and lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P308 + P313: IF exposed or concerned: Get medical advice/attention. P332 + P313: If skin irritation occurs: Get medical advice/attention. P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish. P391: Collect spillage.  
P403 + P235: Store in a well-ventilated place. Keep cool. P405: Store locked up.  
P501: Dispose of contents and container in accordance with local regulations.

**Contains:** GAS OIL, UNSPECIFIED

**Other hazard information:**

**PHYSICAL / CHEMICAL HAZARDS**

Thermal burn hazard - contact with hot material may cause thermal burns. Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and/or explode if ignited.

**HEALTH HAZARDS**

High-pressure injection under skin may cause serious damage. Under conditions of poor personal hygiene and prolonged repeated contact, some polycyclic aromatic compounds (PACs) have been suspected as a cause of skin cancer in humans. Mildly irritating to skin. May be irritating to the eyes, nose, throat, and lungs.

**ENVIRONMENTAL HAZARDS**

No additional hazards.

**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.

Product Name: CUTBACK ASPHALT MC 70 TIS  
Revision Date: 11 Jul 2018  
Page 3 of 12

**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<br>* | GHS Hazard Codes                |
|-------------------------------------|------------|--------------------|---------------------------------|
| ASPHALT FUMES                       | 8052-42-4  | 65%                | None                            |
| DIESEL FUEL NO. 2..32.6 TO 40.1 SSU | 68476-34-6 | 28%                | H304, H351, H401,<br>H411       |
| KEROSENE                            | 8008-20-6  | 7%                 | H304, H336, H315,<br>H401, H411 |

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

**SECTION 4 FIRST AID MEASURES****INHALATION**

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

**SKIN CONTACT**

Remove contaminated clothing. Dry wipe exposed skin and cleanse with waterless hand cleaner and follow by washing thoroughly with soap and water. For those providing assistance, avoid further skin contact to yourself or others. Wear impervious gloves. Launder contaminated clothing separately before reuse. Discard contaminated articles that cannot be laundered. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. For hot product: Immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

**EYE CONTACT**

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

**INGESTION**

Seek immediate medical attention.

**NOTE TO PHYSICIAN**

None

**SECTION 5 FIRE FIGHTING MEASURES**

## EXTINGUISHING MEDIA

**Appropriate Extinguishing Media:** Use dry chemical, carbon dioxide (CO<sub>2</sub>), or a dry, non-combustible material such as dry sand or earth to extinguish flames.

**Inappropriate Extinguishing Media:** DO NOT USE WATER.

## FIRE FIGHTING

**Fire Fighting Instructions:** FLAMMABLE. Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters 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:** Vapour is flammable and heavier than air. Vapour may travel across the ground and reach remote ignition sources, causing a flashback fire danger.

**Hazardous Combustion Products:** Aldehydes, Asphalt fumes, Hydrogen sulphide, Incomplete combustion products, Oxides of carbon, Smoke, Fume, Sulphur oxides

## FLAMMABILITY PROPERTIES

**Flash Point [Method]:** >38°C (100°F) [ASTM D-3143]

**Flammable Limits (Approximate volume % in air):** LEL: 0.7 UEL: 6.0

**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.

### 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 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. See Section 5 for fire fighting information.

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. Chemical goggles and face shield are recommended if contact of eyes with hot product or vapours is possible. Small spills: normal work clothes are usually adequate. Large spills: full body suit of chemical and thermal resistant material is recommended. Work gloves (preferably gauntlet style) that provide adequate chemical resistance. Note: gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. If contact with hot product is possible or anticipated, heat-resistant and thermally insulated gloves are recommended.

### SPILL MANAGEMENT

Product Name: CUTBACK ASPHALT MC 70 TIS

Revision Date: 11 Jul 2018

Page 5 of 12

**Land Spill:** Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. 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 containers. Large Spills: Water spray may reduce vapour, but may not prevent ignition in enclosed spaces. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. If liquid is too viscous for pumping, shovel it up into a suitable container for recycle or disposal.

**Water Spill:** Stop leak if you can do so without risk. Eliminate sources of ignition. Warn other shipping. If the Flash Point exceeds the Ambient Temperature by 10 deg C or more, use containment booms and remove from the surface by skimming or with suitable absorbents when conditions permit. If the Flash Point does not exceed the Ambient Air Temperature by at least 10C, use booms as a barrier to protect shorelines and allow material to evaporate. Seek the advice of a specialist before using dispersants.

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

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

## SECTION 7 HANDLING AND STORAGE

### HANDLING

Avoid all personal contact. Use proper bonding and/or earthing procedures. However, bonding and earthing may not eliminate the hazard from static accumulation. When heating to normal handling temperatures, avoid local overheating. Avoid vapour from heated materials to prevent exposure to potentially toxic/irritating fumes. Hydrogen sulphide (H<sub>2</sub>S) may be given off when this material is heated. Do not depend on sense of smell for warning. Use only with adequate ventilation. Prevent exposure to ignition sources, for example use non-sparking tools and explosion-proof equipment. Prevent small spills and leakage to avoid slip hazard.

**Static Accumulator:** N/D

### STORAGE

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Ample fire water supply should be available. A fixed sprinkler/deluge system is recommended. It is recommended not to heat the material to a temperature above its flash point. Outside or detached storage preferred. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be grounded and bonded to prevent accumulation of static charge.

## 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 FUMES [benzene solubles]                                      | Inhalable fraction.           | TWA            | 0.5 mg/m <sup>3</sup> |        |      | ACGIH         |
| DIESEL FUEL NO. 2..32.6 TO 40.1 SSU                                   | Stable Aerosol.               | TWA            | 5 mg/m <sup>3</sup>   |        | Skin | ExxonMobil    |
| DIESEL FUEL NO. 2..32.6 TO 40.1 SSU                                   | Vapour.                       | TWA            | 200 mg/m <sup>3</sup> |        | Skin | ExxonMobil    |
| DIESEL FUEL NO. 2..32.6 TO 40.1 SSU [total hydrocarb, vapour&aerosol] | Inhalable fraction and vapour | TWA            | 100 mg/m <sup>3</sup> |        | Skin | ACGIH         |
| KEROSENE  | Stable Aerosol.               | TWA            | 5 mg/m <sup>3</sup>   |        | Skin | ExxonMobil    |
| KEROSENE  | Vapour.                       | TWA            | 200 mg/m <sup>3</sup> |        | Skin | ExxonMobil    |
| KEROSENE [as total hydrocarbon vapor]                                 | Non-Aerosol                   | TWA            | 200 mg/m <sup>3</sup> |        | Skin | ACGIH         |
| Asphalt fumes [benzene solubles]                                      | Inhalable fraction.           | TWA            | 0.5 mg/m <sup>3</sup> |        |      | ACGIH         |
| Hydrogen sulphide   |                               | Ceiling        | 50 ppm                |        |      | Thailand OELs |
| Hydrogen sulphide   |                               | STEL           | 20 ppm                |        |      | Thailand OELs |
| Hydrogen sulphide   |                               | STEL           | 14 mg/m <sup>3</sup>  | 10 ppm |      | ExxonMobil    |
| Hydrogen sulphide   |                               | TWA            | 7 mg/m <sup>3</sup>   | 5 ppm  |      | ExxonMobil    |
| Hydrogen sulphide   |                               | STEL           | 5 ppm                 |        |      | ACGIH         |
| Hydrogen sulphide   |                               | TWA            | 1 ppm                 |        |      | ACGIH         |

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

**ENGINEERING CONTROLS**

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

Use explosion-proof ventilation equipment to stay below exposure limits.

**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:

Positive-pressure, air-supplied respirator in areas where H<sub>2</sub>S vapours may accumulate is recommended. Acid gas/organic vapour,HEPA

Product Name: CUTBACK ASPHALT MC 70 TIS

Revision Date: 11 Jul 2018

Page 7 of 12

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 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:

Thermally protective, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves. Viton

**Eye Protection:** If contact with material may occur, safety glasses and face shield 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. If product is hot, thermally protective, chemical resistant apron and long sleeves are 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:** Liquid  
**Form:** Semi-fluid  
**Colour:** Black  
**Odour:** Petroleum/Solvent  
**Odour Threshold:** N/D

### IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

**Relative Density (at 15 °C):** 0.932  
**Flammability (Solid, Gas):** N/A  
**Flash Point [Method]:** >38°C (100°F) [ASTM D-3143]  
**Flammable Limits (Approximate volume % in air):** LEL: 0.7 UEL: 6.0  
**Autoignition Temperature:** N/D  
**Boiling Point / Range:** > 163°C (325°F)  
**Decomposition Temperature:** N/D

Product Name: CUTBACK ASPHALT MC 70 TIS  
 Revision Date: 11 Jul 2018  
 Page 8 of 12

**Vapour Density (Air = 1):** 13 at 101 kPa  
**Vapour Pressure:** 0.013 kPa (0.1 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] | 105 cSt (105 mm<sup>2</sup>/sec) at 60°C  
**Oxidizing Properties:** See Hazards Identification Section.

**OTHER INFORMATION**

**Freezing Point:** N/D  
**Melting Point:** N/A

**SECTION 10 STABILITY AND REACTIVITY**

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

**CONDITIONS TO AVOID:** Avoid heat, sparks, open flames and other ignition sources. Contact of hot product with water., Overheating.

**MATERIALS TO AVOID:** Alkalies, Halogens, Strong Acids, Strong oxidisers

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

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

**SECTION 11 TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY**

| <b>Route of Exposure</b>                    | <b>Conclusion / Remarks</b>  |
|---|--|
| <b>Inhalation</b>                           |  |
| Toxicity: No end point data for material.   | Minimally Toxic. Based on test data for structurally similar materials.  |
| Irritation: No end point data for material. | Elevated temperatures or mechanical action may form vapours, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs. |
| <b>Ingestion</b>                            |  |
| Toxicity: No end point data for material.   | Minimally Toxic. Based on assessment of the components.  |
| <b>Skin</b>                                 |  |
| Toxicity: No end point data for material.   | Minimally Toxic. Based on assessment of the components.  |
| Irritation: No end point data for material. | Negligible irritation to skin at ambient temperatures. Based on assessment of the components.  |
| <b>Eye</b>                                  |  |
| Irritation: No end point data for           | May cause mild, short-lasting discomfort to eyes. Based on   |



Product Name: CUTBACK ASPHALT MC 70 TIS

Revision Date: 11 Jul 2018

Page 9 of 12

|           |                               |
|-----------|-------------------------------|
| material. | assessment of the components. |
|-----------|-------------------------------|

**OTHER HEALTH EFFECTS FROM SHORT AND LONG TERM EXPOSURE**

Anticipated health effects from sub-chronic, chronic, respiratory or skin sensitization, mutagenicity, reproductive toxicity, carcinogenicity, target organ toxicity (single exposure or repeated exposure), aspiration toxicity and other effects based on human experience and/or experimental data.

**For the product itself:**

Asphalt cutback: Generally little evidence of carcinogenic effects in animal studies. Inhalation studies at high concentrations of fumes resulted in bronchitis, pneumonitis, fibrosis and cell damage. Non-sensitizing in test animals. Repeated exposure hazard depends on material used to cutback asphalt. Asphalt: 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 and inhalation of vapour or aerosol from it.

**Contains:**

Kerosene: Carcinogenic in animal tests. Lifetime skin painting tests produced tumours, 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 vapours 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 animal tests. HYDROGEN SULPHIDE: Chronic health effects due to repeated exposures to low levels of H2S have not been established. High level (700 ppm) acute exposure can result in sudden death. High concentrations will lead to cardiopulmonary arrest due to nervous system toxicity and pulmonary edema. Lower levels (150 ppm) may overwhelm sense of smell, eliminating warning of exposure. Symptoms of overexposure to H2S include headache, fatigue, insomnia, irritability, and gastrointestinal problems. Repeated exposures to approximately 25 ppm will irritate mucous membranes and the respiratory system and have been implicated in some eye damage.

**IARC Classification:**

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

--REGULATORY LISTS SEARCHED--

1 = IARC 1

2 = IARC 2A

3 = IARC 2B

|                   |                               |
|-------------------|-------------------------------|
| <b>SECTION 12</b> | <b>ECOLOGICAL INFORMATION</b> |
|-------------------|-------------------------------|

The information given is based on data for the material, components of the material, or for similar materials, through the application of bridging principals.

**ECOTOXICITY**

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

**MOBILITY**

Majority of components -- Low solubility and floats and is expected to migrate from water to the land.

Product Name: CUTBACK ASPHALT MC 70 TIS  
Revision Date: 11 Jul 2018  
Page 10 of 12

---

Expected to partition to sediment and wastewater solids.

## PERSISTENCE AND DEGRADABILITY

### Biodegradation:

More water soluble component -- Expected to be inherently biodegradable  
Majority of components -- Expected to be persistent.

### Atmospheric Oxidation:

More volatile component -- Expected to degrade rapidly in air

## 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.

## DISPOSAL RECOMMENDATIONS

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.

**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

**Proper Shipping Name:** ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S.

**Hazard Class:** 3

**Hazchem Code:** 2Y

**UN Number:** 3256

**Packing Group:** III

**Label(s) / Mark(s):** 3, EHS

### SEA (IMDG)

**Proper Shipping Name:** ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. (Kerosene)

**Hazard Class & Division:** 3

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

**UN Number:** 3256

**Packing Group:** III

Product Name: CUTBACK ASPHALT MC 70 TIS  
Revision Date: 11 Jul 2018  
Page 11 of 12

---

**Marine Pollutant:** Yes  
**Label(s):** 3  
**Transport Document Name:** UN3256, ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S. (Kerosene), 3, PG III, (38°C c.c.), MARINE POLLUTANT

**AIR (IATA)**

**Proper Shipping Name:** NOT STANDARD PRACTICE  
**Hazard Class & Division:**  
**UN Number:**  
**Packing Group:** (N/A)  
**Label(s) / Mark(s):**  
**Transport Document Name:** NOT STANDARD PRACTICE,

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

This material is considered hazardous according to the classification criteria of the Hazard Classification and Communication System for Hazardous Materials BE 2555.

**REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS**

**Hazardous Substance Act BE2535:** Not Regulated

**Listed or exempt from listing/notification on the following chemical inventories (May contain substance(s) subject to notification to the EPA Active TSCA inventory prior to import to USA):** AICS, DSL, KECI, PICCS, TSCA

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

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

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

H304: May be fatal if swallowed and enters airways; Aspiration, Cat 1  
H315: Causes skin irritation; Skin Corr/Irritation, Cat 2  
H336: May cause drowsiness or dizziness; Target Organ Single, Narcotic  
H351: Suspected of causing cancer; GHS Carcinogenicity, Cat 2  
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:**

GHS Physical Hazards information was modified.  
GHS Precautionary Statements - Prevention information was modified.  
Section 01: Company Contact Methods information was modified.  
Section 05: Fire Fighting Measures - Fire Fighting Instruction information was modified.  
Section 05: Hazardous Combustion Products information was modified.

Product Name: CUTBACK ASPHALT MC 70 TIS

Revision Date: 11 Jul 2018

Page 12 of 12

---

Section 06: Protective Measures information was modified.  
Section 07: Handling and Storage - Handling information was modified.  
Section 08: Exposure Limits Table information was modified.  
Section 10: Materials To Avoid information was modified.  
Section 12: information was modified.

-----  
-----  
The information and recommendations contained herein are, to the best of ExxonMobil's knowledge and belief, accurate and reliable as of the date issued. You can contact ExxonMobil to insure that this document is the most current available from ExxonMobil. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. The term, "ExxonMobil" is used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliates in which they directly or indirectly hold any interest.

-----  
-----  
DGN: 2000962XTH (551289)  
-----  
-----