1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: NORMAR 12
SUPPLIER: AMERICAN CHEMICAL CORPORATION
1225 GALLONS RD
FAIRFAX, VA 22047
24-Hour Health and Safety Emergency (call collect): 609-737-1411
24-Hour Transportation Emergency (Primary Carrier): 800-424-9200
(Second Carrier) 281-334-3391

Product and Technical Information:
Globally Harmonized System: GHS07
MSDS: 22.5.15.16
MSDS Website: http://msds.ihasolutions.com/

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYMBOLS: N-PARAFFINIC HYDROCARBON
GLOBALLY REPORTABLE HHS/OSHA INGREDIENTS:
Paraffins (petroleum), 102

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

This product is considered hazardous according to the regulatory guidelines (see Section 15).

EMERGENCY OVERVIEW: Clear, colorless liquid. Material is combustible. Liquid can release vapors that readily form flammable mixtures at or above the flash point. Product can accumulate a static charge which may cause a fire or explosion. NEC ERG No.: 118

POSSIBLE HEALTH EFFECTS: Irritating to the eyes. Prolonged repeated skin contact may cause skin irritation and/or dermatitis. High vapor/concentrated concentrations are irritating to the eyes and the respiratory tract, and may cause headache, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Low viscosity material if swallowed may enter the lungs and cause lung damage. For further health effects/toxicological data, see Section 11.

4. FIRST AID MEASURES

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5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water should be used to keep fire-exposed containers cool. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. This liquid is volatile and gives off invisible vapors. Either the liquid or the vapor may settle in low areas or travel some distance along the ground or surface to ignition sources. Where they may ignite or explode.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material is combustible. Liquid can release vapors that readily form flammable mixtures at or above the flash point. Product can accumulate a static charge which may cause a fire or explosion.

COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, water.

Flash Point (C): 66(151) [ASTM D-93].
Flammable Limits (approx % vol.in air): LEL: 0.7%, UEL: 5.3%
NFPA HAZARD TO: Health: 1, Flammability: 2, Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)434-8802. In case of accident or spread spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:

LAND SPILL: Eliminate sources of ignition. Shut off pumps and other equipment. Use chemical resistant pumps, if necessary. Contain spill with sand or other suitable absorbent material. Completely cover spill and absorb to minimize the impact on groundwater. If necessary, dispose of unabsorbed residue as directed in Section 13.

WATER SPILL: Eliminate sources of ignition and warn other ships in the vicinity to stay clear. Notify port and other relevant authorities. Remove from surface with suitable absorbents. If allowed by local authorities and environmental agencies, incinerate.

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and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

ENVIRONMENTAL PRECAUTIONS: Prevent material, from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation.

PERSONAL PRECAUTIONS: See section 8

7. HANDLING AND STORAGE

HANDLING: Keep product away from high energy ignition sources, heat, sparks, pilot lights, static electricity, and open flame. Avoid liberation of vapors or mists. Use in well ventilated area away from all ignition sources. Do not fill containers in or on a vehicle. Static electricity may ignite vapors and cause fire. Place container on ground when filling and keep nozzle in contact with container. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Store in a cool area. Small containers of approved design, properly sealed and labeled, should be stored in well ventilated surroundings and kept out of reach of children. Eliminate all sources of ignition from the storage and handling area. Protect against direct sunlight.

SPECIAL PRECAUTIONS: To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system. Do not use electronic devices (including but not limited to cellular phones, computers, calculators, pagers, etc.) in or around any fueling operation or storage area unless the devices are certified intrinsically safe by an approved national testing agency and to the safety standards required by national and/or local laws and regulations. Electrical equipment and fittings must comply with local fire prevention regulations for this class of product. Use the correct grounding procedures. Refer to national or local regulations covering safety at petroleum handling and storage areas for this product.

EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAKE, 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. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly banded and promptly returned to a dusk reconditioning. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: ExxonoMobil recommends an 8-hour time-weighted average (TWA) of 1200 mg/m³ based on total hydrocarbon vapor.

VENTILATION: Use in well ventilated area with local exhaust ventilation. Ventilation equipment must be explosion proof.

RESPIRATORY PROTECTION: Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

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EYE PROTECTION: If splash with liquid is possible, chemical type goggles should be worn.

SKIN PROTECTION: Impermeable gloves should be worn. Good personal hygiene practices should always be followed.

8. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid
COLOR: Clear, Colorless
ODOR: Mild Hydrocarbon
PH: NA
BOILING POINT (°F): > 189 (372)
MELTING POINT (°C): NR
FLASH POINT (°C): 66 (151) (ASTM D-92)
FLAMMABILITY (solids): NE
AUTO FLAMMABILITY (°C): 234 (448)
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE (atm): 0.0007
VAPOR DENSITY: 5.6
EVAPORATION RATE (1 = n-butyl acetate): < 0.1
RELATIVE DENSITY: 15/4 C: 0.71
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: NE
VISCOITY AT 20 C, cSt: NE
POISON POINT (°C): -21 (-4)
FREEzing POINT (°C): -21 (-6)
VOLATILE ORGANIC COMPOUND: NA
DISPOSAL METHOD: Refer to local codes for disposal.

9. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Heat, sparks, flame and build up of static electricity.
INCOMPATIBILITY MATERIALS TO AVOID: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Not established
Dermal TOXICITY (RABBITS): Not established
INHAlation TOXICITY (RATS): Not established
EYE IRRITATION (RABBITS): Not established
SKIN IRRITATION (RABBITS): Not established

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---CHRONIC TOXICOLOGY (HUMAN)---

Prolonged repeated skin contact may cause skin irritation and/or dermatitis.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:
ECOTOXICITY: Not established.
MOBILITY: Not established.
PERSISTENCE AND DEGRADABILITY: Not established.
BioACCUMULATIVE POTENTIAL: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning for fuel value in compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

US DOT:
SHIPPING NAME: Petroleum Distillates, n.o.s. (contains PETROLEUM SUBSTANCE - UNSPECIFIED)
HAZARD CLASS & DIV: COMBUSTIBLE LIQUID
ID NUMBER: UN1268
ERG NUMBER: 128
PACKING GROUP: PG II
PCC: NA
DANGEROUS WHEN WET: No
POISON: NA
LABEL(s): NA
PLACARD(s): Combustible
PRODUCT NO: NA
MARPOL III STATUS: NA
In accordance with 49 CFR 173.155(f)(2), non-bulk quantities of this material (<19 gallons per container) may be shipped at non regulated for USA domestic shipments.
DOT NOT REGULATED BY IATA.
STATIC ACCUMULATOR (10 picocoulombs or less): YES

16. REGULATORY INFORMATION


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with OSHA 29 CFR 1910.1200 and determined to be hazardous.

Governmental Inventory Status: All components comply with TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains a "EXTRAORDINARY HAZARDOUS SUBSTANCES".
SARA (312/313) REPORTABLE HAZARD CATEGORIES:
FIRE
This product contains no chemicals subject to the supplier notification
requirements of SARA (313) toxic release program.
The following product ingredients are cited on the lists below:

CHEMICAL NAME        CAS NUMBER  LIST CITATIONS

--- NO REPORTABLE INGREDIENTS ---

--- REGULATORY LISTS EXCLUDED ---

1-AcOH AL1  6-TABC 1  11-TECA 6  16-CA PES CARC 21-MA RTK
2-AcOH AL2  7-TABC 2A  12-TECA 5x2  17-CA PES REPRO 22-MI 293
3-AcOH A2  8-TABC 2B  13-TECA 5e  18-CA RTK  23-MO RTK
4-TPF CARC  9-OHSA CARC 14-TECA 8  19-FL RTB  24-IA RTK
5-TPF SUS  10-OHSA 1  15-TECA 12b  20-li RTK  25-MA RTK
25-9A GTK

Code Key: CARC=Carcinogen; SUS= Suspected Carcinogen; REPRO=Reproductive

16. OTHER INFORMATION

USE: W-PARAFFIN HYDROCARBON

NOTE: PRODUCTS OF EKONI MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBs.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MMS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

INSTRUCTIONARY WARNING: 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.

Precautionary Label Text:
CONTAINS PARAFFINS

CAUTION:

COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE SKIN IRRITATION ON PROLONGED, REPEATED CONTACT. NOSE VAPOR/AEROSOL CONCENTRATIONS ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT. MAY CAUSE HEADACHES, DIZZINESS, AND ORIENTATIONAL AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. INCLUDING DEATH. LOW VISCOSITY MATERIAL IF SWALLOWED, MAY BE ASPIRATED AND CAN CAUSE SERIOUS OR FATAL LUNG DAMAGE.

Keep away from heat, sparks, and flame. Avoid breathing vapor. Avoid contact with skin or clothing. Keep container closed. Use with adequate ventilation.

In case of contact, wash skin with soap and water. Remove contaminated clothing. Destroy or wash clothing before reuse. If swallowed, seek immediate medical attention. Do not induce vomiting. Only induce vomiting at the instruction of a physician.

For industrial use only. Not intended or suitable for use in or around a household or dwelling. Refer to product Material Safety Data Sheet for further safety and health information.

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