FOR INFORMATION REFERENCE ONLY. A product specific SDS is included with each shipment. Use the SDS sent with each sample for information related to the product supplied per program cycle.
Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Name of the substance: Engine Oil
Synonyms: Motor Oil, Petroleum Oil, Lubricating Oil
Issue Date: 03/25/2016
Revised: 05/15/2018

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Laboratory test sample
Uses advised against: Other uses are not recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled.

1.3 Details of the supplier of the safety data sheet
Clark Laboratories
1801 Route 51 South
Jefferson Hills, PA 15025
412-387-1001

1.4 Emergency Telephone #
Transportation Emergency Response
Chemtrec - 24 hour emergency response: (800)424-9300
International Collect: +1 703 741 5970
SDS Assistance Email: sds@clarktesting.com

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Amber</td>
</tr>
<tr>
<td>Odor</td>
<td>Petroleum odor</td>
</tr>
</tbody>
</table>

2.1 Classification of the substance or mixture
DSD/DPD CLASSIFICATION: Not classified as dangerous according to EU regulatory guidelines.
Not classified as hazardous according to 29 CFR 1910.1200 (2012)

2.2 Label elements
Under the criteria of Directive 1999/45/EC (dangerous preparations): Not classified

2.3 Other hazards: IMMEDIATE HEALTH EFFECTS
None known

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<table>
<thead>
<tr>
<th>CAS</th>
<th>EC</th>
<th>COMPONENT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>64741-88-4</td>
<td>265-090-8</td>
<td>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>0-35</td>
</tr>
<tr>
<td>64742-01-4</td>
<td>265-101-6</td>
<td>Residual oils (petroleum)</td>
<td>0-35</td>
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<tr>
<td>CAS Number</td>
<td>Boiling Range</td>
<td>Description</td>
<td>Solubility</td>
</tr>
<tr>
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<td>---------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>64742-57-0</td>
<td>265-160-8</td>
<td>Residual oils (petroleum), hydrotreated</td>
<td>0-35</td>
</tr>
<tr>
<td>64742-62-7</td>
<td>265-166-0</td>
<td>Residual oils (petroleum), solvent dewaxed</td>
<td>0-35</td>
</tr>
<tr>
<td>72623-83-7</td>
<td>276-735-8</td>
<td>Lubricating oils (petroleum), C25, hydrotreated bright stock</td>
<td>0-35</td>
</tr>
<tr>
<td>64742-58-1</td>
<td>265-161-3</td>
<td>Lubricating oils, petroleum, hydrotreated spent.</td>
<td>5-45</td>
</tr>
<tr>
<td>178603-65-1</td>
<td>605-826-0</td>
<td>Gas oils, petroleum, vacuum, hydrocracked, hydrosomerized, hydrogenated, V20-40, branched and cyclic, high viscosity index.</td>
<td>0-45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>68649-42-3</td>
<td>272-028-3</td>
<td>Phosphorodithioic acid, O,O-di-Cl-14-alkyl esters, zinc salts.</td>
<td>0.5-1</td>
</tr>
</tbody>
</table>

**SECTION 4 FIRST AID MEASURES**

4.1 Description of first aid measures

**Eye:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

**Skin:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

**Ingestion:** If swallowed, get medical attention. Do not induce vomiting.

**Inhalation:** If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs. If breathing is difficult, give oxygen and seek immediate medical attention. If not breathing, give artificial respiration and seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

**IMMEDIATE SYMPTOMS AND HEALTH EFFECTS**

4.2.1 Avoid breathing vapors or mists. May cause slight eye irritation and skin irritation (rash).

4.2.2 Eye: Not expected to cause prolonged or significant eye irritation.

4.2.3 Skin: Contact with the skin causes irritation. Symptoms may include pain, itching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.

4.2.4 Ingestion: May be irritating to mouth, throat, and stomach. Symptoms may include pain, nausea, vomiting, and diarrhea.

4.2.5 Inhalation: Mists of this material may cause respiratory irritation. Symptoms of respiratory irritation may include coughing and difficulty breathing. Breathing this material at concentrations above the recommended exposure limits may cause central nervous system effects.
4.2.6 Central nervous system effects may include headache, dizziness, nausea, vomiting, weakness, loss of coordination, blurred vision, drowsiness, confusion, or disorientation. At extreme exposures, central nervous system effects may include respiratory depression, tremors or convulsions, loss of consciousness, coma or death.

DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS: Not classified.

4.3 Indication of any immediate medical attention and special treatment needed
Not applicable.

SECTION 5 FIRE FIGHTING MEASURES
5.1 Extinguishing media
Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

5.2 Special hazards arising from the substance or mixture
Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen, Sulfur, Phosphorus, Boron, Zinc, Calcium.

5.3 Advice for firefighters
Protection of firefighters

5.3.1 FIRE CLASSIFICATION:
NFPA RATINGS: Health: 1 Flammability: 1 Reactivity: 0

5.3.2 FLAMMABLE PROPERTIES:
Flashpoint: Not Available
OSHA/NFPA FLAMIBILITY CLASS: Not classified as flammable or combustible by OSHA (see sect. 14 for transport class)
This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Protective Measures
Eliminate all sources of ignition in vicinity of spilled material. Refer to Sections 5 and 8 for more information.

6.2 Environmental precautions
Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater.

6.3 Methods and material for containment and cleaning up
Spill Management & reporting
Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil and dispose of in a manner consistent with applicable requirements. Place other contaminated materials in disposable containers and dispose of in a manner consistent with applicable requirements. Report spills to local authorities as/or the U.S. Coast Guard's National Response Center at (800) 424-8802 appropriate or required.

6.4 Reference to other sections
See sections 5, 7, 8, and 13.

SECTION 7 HANDLING AND STORAGE
7.1 Precautions for safe handling
Precautionary Measures
Do not get in eyes, on skin, or on clothing. Do not breathe mist. Do not taste or swallow. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities
General Handling Information: Avoid contaminating soil or releasing this material into sewage, drainage systems, and bodies of water.

General Storage Information: DO NOT USE OR STORE near heat, sparks or open flames. Keep container closed when not in use.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, 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. Empty containers should be completely drained, properly closed, and disposed of properly.

7.3 Specific end use(s): See Section 1 about relevant end uses.

SECTION 8 EXPOSURE CONTROLS/PERSO NAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

8.1 Control parameters Occupational
Component Exposure Limits:
ACGIH, OSHA, AND NIOSH have not developed exposure limits for any of this products components.

8.2 Exposure controls ENGINEERING CONTROLS: Use in a well-ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
Eye/ Face Protection: Wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Wear protective gloves comprised of either Nitrile Rubber, Viton, or Silver Shield.

Respiratory Protection: Determine if airborne concentrations are below the recommended exposure limits. If not, wear an approved respirator that provides adequate protection from measured concentrations of this material, such as: Air-Purifying Respirator for Organic Vapors. When used as a fuel, this material can produce carbon monoxide in the exhaust. Determine if airborne concentrations are below the occupational exposure limit for carbon monoxide. If not, wear an approved positive-pressure air-supplying respirator. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Page 4 of 10
ENVIRONMENTAL EXPOSURE CONTROLS:
See relevant Community environmental protection legislation or the Annex, as applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
Attention: the data below are typical values and do not constitute a specification.

9.1 Information on basic physical and chemical properties
Appearance: Liquid
Color: Amber
Odor: Petroleum Odor
Odor Threshold: No data available
pH: Not Applicable
Flashpoint: Not Available
Evaporation Rate: No data available
Autoignition: No data available.
Vapor Pressure: less than 0.1 mmHg at 68°F
Density: 7.3 LB/US gal (870 g/l)
Solubility: insoluble
Auto-ignition temperature: No data available
Viscosity: > 20.5 mm²/s (104 F (40 C)

9.2 Other Information: No Data Available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity: No reactivity hazard is expected
10.2 Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3 Possibility of hazardous reactions (polymerization): Hazardous polymerization will not occur.
10.4 Conditions to Avoid: Avoid sparks and flame when not in use.
10.5 Incompatible materials to avoid: Avoid oxidizing agents, acids and reactive halogens.
10.6 Hazardous decomposition products: None under normal temperatures and pressures.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Serious Eye Damage/Irritation: The eye irritation hazard is based on evaluation of data for product components.
Skin Corrosion/Irritation: The skin irritation hazard is based on evaluation of data for product components.
Skin Sensitization: The skin sensitization hazard is based on evaluation of data for product components.
Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for product components.
Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for product components.
Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for product components.
Germ Cell Mutagenicity: The hazard evaluation is based on data for components or a similar material.
Carcinogenicity: The hazard evaluation is based on data for components or a similar material.
Reproductive Toxicity: The hazard evaluation is based on data for components or a similar material.
Specific Target Organ Toxicity - Single Exposure: The hazard evaluation is based on data for components or a similar material.
Specific Target Organ Toxicity - Repeated Exposure: The hazard evaluation is based on data for components or a similar material.
Acute Toxicity Estimate: Not determined

ADDITIONAL TOXICOLOGY INFORMATION:
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).
These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

In accordance with the Directive 94/69/EC (21st ATP to DSD), Nota L, reference IP 346/92: "DMSO Extraction Method", we have determined that the base oils used in this preparation are not carcinogenic.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity

Fish
Mineral oil: No data available

Aquatic Invertebrates
Mineral oil: No data available

Toxicity to Aquatic Plants
Mineral oil: No data available

Toxicity to soil dwelling organisms: No Data Available
Sediment Toxicity: No Data Available
Toxicity to Terrestrial Plants: No Data Available
Toxicity to Above-Ground organisms: No Data Available
Toxicity to microorganisms: No Data Available

12.2 Bioaccumulative potential
Bioconcentration Factor: No Data Available
Octanol/Water Partition Coefficient: No data available

12.3 Mobility in soil
No data available.

12.4 Results of PBT and vPvB assessment
This product is not, or does not contain, a substance that is a potential PBT or a vPvB.

12.5 Other adverse effects
No other adverse effects identified.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

In accordance with European Waste Catalogue (E.W.C.) the codification is the following: 13 02 05

### SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

#### ADR/RID

<table>
<thead>
<tr>
<th>Description</th>
<th>Applicable</th>
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<td>14.2 UN proper shipping name:</td>
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<tr>
<td>14.3 Transport hazard class(es):</td>
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<td>14.4 Packing group:</td>
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<td>14.5 Environmental hazards:</td>
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<td>14.6 Special precautions for user:</td>
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#### ICAO

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<tr>
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<td>14.3 Transport hazard class(es):</td>
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<td>14.4 Packing group:</td>
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<td>14.5 Environmental hazards:</td>
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#### IMO

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<td>14.1 UN number:</td>
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<tr>
<td>14.3 Transport hazard class(es):</td>
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<tr>
<td>14.4 Packing group:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5 Environmental hazards:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.6 Special precautions for user:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

#### DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

#### IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

#### ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REGULATORY LISTS SEARCHED:
08=EU Regulation EC No. 689/2008: Annex 1, Part 1.
12=EU REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixture & article.

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:
All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: ENCS (Japan).

15.2 Chemical safety assessment
No chemical safety assessment.

EPCRA 311/312 CATEGORIES:
1. Immediate (Acute) Health Effects: NO
2. Delayed (Chronic) Health Effects: NO
3. Fire Hazard: NO
4. Sudden Release of Pressure Hazard: NO
5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:
1-1 =IARC Group 1 03=EPCRA 313
1-2 =IARC Group 2A 04=CA Proposition 65
01-2B=IARC Group 2B 05=MA RTK
02=NTP Carcinogen 06=NJ RTK 07=PA RTK
15=SARA Section 313
16=CA Proposition 65
17=MA RTK
18=NJ RTK
06=OSHA Carcinogen 19=DOT Marine Pollutant
09=TSCA 12(b)

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:
All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), KECI (Korea), PICCS (Philippines), TSCA (United States).
One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required. All other components are listed or exempted from listing on EINECS.

One or more components does not comply with the following chemical inventory requirements: ENCS (Japan).
NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Motor oil)

The following components of this material are found on the regulatory lists indicated.

**Nothing Found during Search**

**CHEMICAL INVENTORIES:**
UNITED STATES: All of the components of this material are on the Toxic Substances Control Act (TSCA) Chemical Inventory.
CANADA: All the components of this material are on the Canadian DSL or have been notified under the New Substance Notification Regulations, but have not yet been published in the Canada Gazette.

**WHMIS CLASSIFICATION:**
Class B, Division 3: Combustible Liquids
Class D, Division 2, Subdivision A: Very Toxic Material - Carcinogenicity
Class D, Division 2, Subdivision B: Toxic Material - Skin or Eye Irritation

**SECTION 16 OTHER INFORMATION**

**REVISION STATEMENT:** This revision updates the following sections of this Safety Data Sheet: 1
**Revision Date:** JANUARY 8, 2017

**NFPA RATINGS:** Health: 1  Flammability: 1  Reactivity: 0

**HMIS III RATINGS:** Health: 1  Flammability: 1  Reactivity: 0
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

**LABEL RECOMMENDATION:**
Label Category: ENGINE OIL 1 - ENG1

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200), the ANSI MSDS Standard (Z400.1) and in accordance with both EU 67/548/EEC(DSD) and CLP regulation.

**REVISION STATEMENT:** This revision updates the following sections of this Safety Data Sheet: 16
**Revision Date:** January 15, 2015

**ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:**

- TLV - Threshold Limit Value
- STEL - Short-term Exposure Limit
- GHS - Globally Harmonized System
- ACGIH - American Conference of Governmental Industrial Hygienists
- API - American Petroleum Institute
- DOT - Department of Transportation (USA)

- TWA - Time Weighted Average
- PEL - Permissible Exposure Limit
- CAS - Chemical Abstract Service Number
- IMO/IMDG - International Maritime Dangerous Goods Code
- SDS - Safety Data Sheet
- NFPA - National Fire Protection Association (USA)
- NTP - National Toxicology Program (USA)
ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-term Exposure Limit</td>
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<tr>
<td>CVX</td>
<td>Chevron</td>
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<td>NQ</td>
<td>Not Quantifiable</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service Number</td>
</tr>
</tbody>
</table>

References:


EU Regulation 1907/2006

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. Adequate training and instruction should be given by you to your employees and affected personnel. Appropriate warnings and safe handling procedures should be provided by you to handlers and users. Additionally, the user should review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with the applicable federal, state, provincial or local hazard communication requirements. This SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the fitness for use of the material, or the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, vendor neither assumes nor retains any responsibility for any damage or injury resulting from abnormal use, from any failure to adhere to appropriate practices, or from any hazards inherent in the nature of the material. Moreover, unless an employee or a customer accesses or receives a SDS directly from the company, there is no assurance that a document obtained from alternate sources is the most currently available SDS. The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Completed by Clark PTP Staff

No Annex
Domestic SDS Documents

*FOR INFORMATION REFERENCE ONLY. A product specific SDS is included with each shipment. Use the SDS sent with each sample for information related to the product supplied per program cycle.
“FOR INFORMATION REFERENCE ONLY. A product specific SDS is included with each shipment. Use the SDS sent with each sample for information related to the product supplied per program cycle.”

Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Name of the substance: Engine Oil
Synonyms: Motor Oil, Petroleum Oil, Lubricating Oil
Issue Date: 03/25/2016
Revised: 05/15/2018

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Laboratory test sample
Uses advised against: Other uses are not recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled.

1.3 Details of the supplier of the safety data sheet
Clark Laboratories
1801 Route 51 South
Jefferson Hills, PA 15025
412-387-1001

1.4 Emergency Telephone #
Transportation Emergency Response

Chemtrec - 24 hour emergency response: (800)424-9300
International Collect: +1 703 741 5970
Sds Assistance Email: sds@clarktesting.com

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

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<td>Amber</td>
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<tr>
<td>Odor</td>
<td>Petroleum odor</td>
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</tbody>
</table>

2.1 Classification of the substance or mixture
DSD/DPD CLASSIFICATION: Not classified as dangerous according to EU regulatory guidelines.
Not classified as hazardous according to 29 CFR 1910.1200 (2012)

2.2 Label elements
Under the criteria of Directive 1999/45/EC (dangerous preparations): Not classified

2.3 Other hazards: IMMEDIATE HEALTH EFFECTS
None known

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<table>
<thead>
<tr>
<th>CAS</th>
<th>EC</th>
<th>COMPONENT</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>64741-88-4</td>
<td>265-090-8</td>
<td>Petroleum distillates, solvent-refined heavy paraffinic</td>
<td>0-35</td>
</tr>
<tr>
<td>64742-01-4</td>
<td>265-101-6</td>
<td>Residual oils (petroleum)</td>
<td>0-35</td>
</tr>
<tr>
<td>CAS Number</td>
<td>Registry Numbers</td>
<td>Description</td>
<td>Solvent Refined Value</td>
</tr>
<tr>
<td>-----------</td>
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<td>-------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>64742-57-0</td>
<td>265-160-8</td>
<td>Residual oils (petroleum), hydrotreated</td>
<td>0-35</td>
</tr>
<tr>
<td>64742-62-7</td>
<td>265-166-0</td>
<td>Residual oils (petroleum), solvent dewaxed</td>
<td>0-35</td>
</tr>
<tr>
<td>72623-83-7</td>
<td>276-735-8</td>
<td>Lubricating oils (petroleum), C25, hydrotreated bright stock</td>
<td>0-35</td>
</tr>
<tr>
<td>64742-58-1</td>
<td>265-161-3</td>
<td>Lubricating oils, petroleum, hydrotreated spent.</td>
<td>5-45</td>
</tr>
<tr>
<td>178603-65-1</td>
<td>605-826-0</td>
<td>Gas oils, petroleum, vacuum, hydrocracked, hydrogenated, V20-40, branched and cyclic, high viscosity index.</td>
<td>0-45</td>
</tr>
<tr>
<td>Not Available</td>
<td>Mineral Oil</td>
<td>5-15</td>
<td></td>
</tr>
<tr>
<td>68649-42-3</td>
<td>272-028-3</td>
<td>Phosphorodithioic acid, O,O-di-Cl-14-alkyl esters, zinc salts.</td>
<td>0.5-1</td>
</tr>
</tbody>
</table>

**SECTION 4 FIRST AID MEASURES**

4.1 Description of first aid measures

**Eye:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

**Skin:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

**Ingestion:** If swallowed, get medical attention. Do not induce vomiting.

**Inhalation:** If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs. If breathing is difficult, give oxygen and seek immediate medical attention. If not breathing, give artificial respiration and seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

**IMMEDIATE SYMPTOMS AND HEALTH EFFECTS**

4.2.1 Avoid breathing vapors or mists. May cause slight eye irritation and skin irritation (rash).

4.2.2 Eye: Not expected to cause prolonged or significant eye irritation.

4.2.3 Skin: Contact with the skin causes irritation. Symptoms may include pain, itching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.

4.2.4 Ingestion: May be irritating to mouth, throat, and stomach. Symptoms may include pain, nausea, vomiting, and diarrhea.

4.2.5 Inhalation: Mists of this material may cause respiratory irritation. Symptoms of respiratory irritation may include coughing and difficulty breathing. Breathing this material at concentrations above the recommended exposure limits may cause central nervous system effects.
4.2.6 Central nervous system effects may include headache, dizziness, nausea, vomiting, weakness, loss of coordination, blurred vision, drowsiness, confusion, or disorientation. At extreme exposures, central nervous system effects may include respiratory depression, tremors or convulsions, loss of consciousness, coma or death.

DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS: Not classified.

4.3 Indication of any immediate medical attention and special treatment needed
Not applicable.

SECTION 5 FIRE FIGHTING MEASURES
5.1 Extinguishing media
Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

5.2 Special hazards arising from the substance or mixture
Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen, Sulfur, Phosphorus, Boron, Zinc, Calcium.

5.3 Advice for firefighters
Protection of firefighters
5.3.1 FIRE CLASSIFICATION:
NFPA RATINGS: Health: 1 Flammability: 1 Reactivity: 0
5.3.2 FLAMMABLE PROPERTIES:
Flashpoint: Not Available
OSHA/NFPA FLAMIBILITY CLASS: Not classified as flammable or combustible by OSHA (see sect. 14 for transport class)
This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures
Protective Measures
Eliminate all sources of ignition in vicinity of spilled material. Refer to Sections 5 and 8 for more information.

6.2 Environmental precautions
Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater.

6.3 Methods and material for containment and cleaning up
Spill Management & reporting
Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil and dispose of in a manner consistent with applicable requirements. Place other contaminated materials in disposable containers and dispose of in a manner consistent with applicable requirements. Report spills to local authorities as/or the U.S. Coast Guard's National Response Center at (800) 424-8802 appropriate or required.

6.4 Reference to other sections
See sections 5, 7, 8, and 13.

SECTION 7 HANDLING AND STORAGE
7.1 Precautions for safe handling
Precautionary Measures
Do not get in eyes, on skin, or on clothing. Do not breathe mist. Do not taste or swallow. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities
General Handling Information: Avoid contaminating soil or releasing this material into sewage, drainage systems, and bodies of water.

General Storage Information: DO NOT USE OR STORE near heat, sparks or open flames. Keep container closed when not in use.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, 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. Empty containers should be completely drained, properly closed, and disposed of properly.

7.3 Specific end use(s): See Section 1 about relevant end uses.

SECTION 8 EXPOSURE CONTROLS/PERSOAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

8.1 Control parameters Occupational
Component Exposure Limits:
ACGIH, OSHA, AND NIOSH have not developed exposure limits for any of this products components.

8.2 Exposure controls ENGINEERING CONTROLS: Use in a well-ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
Eye/Face Protection: Wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Wear protective gloves comprised of either Nitrile Rubber, Viton, or Silver Shield.

Respiratory Protection: Determine if airborne concentrations are below the recommended exposure limits. If not, wear an approved respirator that provides adequate protection from measured concentrations of this material, such as: Air-Purifying Respirator for Organic Vapors. When used as a fuel, this material can produce carbon monoxide in the exhaust. Determine if airborne concentrations are below the occupational exposure limit for carbon monoxide. If not, wear an approved positive-pressure air-supplying respirator.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Page 4 of 10
ENVIRONMENTAL EXPOSURE CONTROLS:
See relevant Community environmental protection legislation or the Annex, as applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
Attention: the data below are typical values and do not constitute a specification.

9.1 Information on basic physical and chemical properties
Appearance: Liquid
Color: Amber
Odor: Petroleum Odor
Odor Threshold: No data available
pH: Not Applicable
Flashpoint: Not Available
Evaporation Rate: No data available
Autoignition: No data available.
Vapor Pressure: less than 0.1 mmHg at 68°F
Density: 7.3 LB/US gal (870 g/l)
Solubility: insoluble
Auto-ignition temperature: No data available
Viscosity: > 20.5 mm²/s (104 F (40°C)

9.2 Other Information: No Data Available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity: No reactivity hazard is expected
10.2 Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3 Possibility of hazardous reactions (polymerization): Hazardous polymerization will not occur.
10.4 Conditions to Avoid: Avoid sparks and flame when not in use.
10.5 Incompatible materials to avoid: Avoid oxidizing agents, acids and reactive halogens.
10.6 Hazardous decomposition products: None under normal temperatures and pressures.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Serious Eye Damage/Irritation: The eye irritation hazard is based on evaluation of data for product components.
Skin Corrosion/Irritation: The skin irritation hazard is based on evaluation of data for product components.
Skin Sensitization: The skin sensitization hazard is based on evaluation of data for product components.
Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for product components.
Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for product components.
Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for product components.
Germ Cell Mutagenicity: The hazard evaluation is based on data for components or a similar material.
Carcinogenicity: The hazard evaluation is based on data for components or a similar material.
Reproductive Toxicity: The hazard evaluation is based on data for components or a similar material.
Specific Target Organ Toxicity - Single Exposure: The hazard evaluation is based on data for components or a similar material.
Specific Target Organ Toxicity - Repeated Exposure: The hazard evaluation is based on data for components or a similar material.
**Acute Toxicity Estimate:** Not determined

**ADDITIONAL TOXICOLOGY INFORMATION:**
This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

In accordance with the Directive 94/69/EC (21st ATP to DSD), Nota L, reference IP 346/92: "DMSO Extraction Method", we have determined that the base oils used in this preparation are not carcinogenic.

**SECTION 12 ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Ecotoxicity**

**Fish**
Mineral oil No data available

**Aquatic Invertebrates**
Mineral oil No data available

**Toxicity to Aquatic Plants**
Mineral oil No data available

**Toxicity to soil dwelling organisms**- No Data Available

**Sediment Toxicity** – No Data Available

**Toxicity to Terrestrial Plants**- No Data Available

**Toxicity to Above-Ground organisms**- No Data Available

**Toxicity to microorganisms**- No Data Available

**12.2 Bioaccumulative potential**
Bioconcentration Factor: No Data Available Octanol/Water Partition Coefficient: No data available

**12.3 Mobility in soil**
No data available.

**12.4 Results of PBT and vPvB assessment**
This product is not, or does not contain, a substance that is a potential PBT or a vPvB.

**12.5 Other adverse effects**
No other adverse effects identified.

**SECTION 13 DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**
Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.
In accordance with European Waste Catalogue (E.W.C.) the codification is the following: 13 02 05

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

ADR/RID

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
14.1 UN number: Not applicable
14.2 UN proper shipping name: Not applicable
14.3 Transport hazard class(es): Not applicable
14.4 Packing group: Not applicable
14.5 Environmental hazards: Not applicable
14.6 Special precautions for user: Not applicable

ICAO

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
14.1 UN number: Not applicable
14.2 UN proper shipping name: Not applicable
14.3 Transport hazard class(es): Not applicable
14.4 Packing group: Not applicable
14.5 Environmental hazards: Not applicable
14.6 Special precautions for user: Not applicable

IMO

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
14.1 UN number: Not applicable
14.2 UN proper shipping name: Not applicable
14.3 Transport hazard class(es): Not applicable
14.4 Packing group: Not applicable
14.5 Environmental hazards: Not applicable
14.6 Special precautions for user: Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REGULATORY LISTS SEARCHED:
06=EU Directive 98/24/EC: Chemical agents at work.
08=EU Regulation EC No. 689/2008: Annex 1, Part 1.
12=EU REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixture & article.

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:
All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: ENCS (Japan).

15.2 Chemical safety assessment
No chemical safety assessment.

EPCRA 311/312 CATEGORIES:
1. Immediate (Acute) Health Effects: NO
2. Delayed (Chronic) Health Effects: NO
3. Fire Hazard: NO
4. Sudden Release of Pressure Hazard: NO
5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:
1-1 =IARC Group 1 03=EPCRA 313
1-2 =IARC Group 2A 04=CA Proposition 65
01-2B=IARC Group 2B 05=MA RTK
02=NTP Carcinogen 06=NJ RTK 07=PA RTK
15=SARA Section 313
16=CA Proposition 65
17=MA RTK
18=NJ RTK
06=OSHA Carcinogen 19=DOT Marine Pollutant
09=TSCA 12(b)

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:
All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), KECI (Korea), PICCS (Philippines), TSCA (United States).
One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required. All other components are listed or exempted from listing on EINECS.

One or more components does not comply with the following chemical inventory requirements: ENCS (Japan).
NEW JERSEY RTK CLASSIFICATION:
Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Motor oil)

The following components of this material are found on the regulatory lists indicated.

Nothing Found during Search

CHEMICAL INVENTORIES:
UNITED STATES: All of the components of this material are on the Toxic Substances Control Act (TSCA) Chemical Inventory.
CANADA: All the components of this material are on the Canadian DSL or have been notified under the New Substance Notification Regulations, but have not yet been published in the Canada Gazette.

WHMIS CLASSIFICATION:
Class B, Division 3: Combustible Liquids
Class D, Division 2, Subdivision A: Very Toxic Material - Carcinogenicity
Class D, Division 2, Subdivision B: Toxic Material - Skin or Eye Irritation

SECTION 16 OTHER INFORMATION

REVISION STATEMENT: This revision updates the following sections of this Safety Data Sheet: 1
Revision Date: JANUARY 8, 2017

NFPA RATINGS: Health: 1 Flammability: 1 Reactivity: 0

HMIS III RATINGS: Health: 1 Flammability: 1 Reactivity: 0
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:
Label Category: ENGINE OIL 1 - ENG1

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200), the ANSI MSDS Standard (Z400.1) and in accordance with both EU 67/548/EEC(DSD) and CLP regulation.

REVISION STATEMENT: This revision updates the following sections of this Safety Data Sheet: 16
Revision Date: January 15, 2015

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

<table>
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<tr>
<th>Abbreviation</th>
<th>Definition</th>
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</thead>
<tbody>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-term Exposure Limit</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System</td>
</tr>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
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<tr>
<td>API</td>
<td>American Petroleum Institute</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Materials Information System</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation (USA)</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
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<td>PEL</td>
<td>Permissible Exposure Limit</td>
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<td>International Maritime Dangerous Goods Code</td>
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<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
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<tr>
<td>NFPA</td>
<td>National Fire Protection Association (USA)</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program (USA)</td>
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ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

<table>
<thead>
<tr>
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<td>Chemical Abstract Service Number</td>
</tr>
</tbody>
</table>

References:
EU Regulation 1907/2006

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. Adequate training and instruction should be given by you to your employees and affected personnel. Appropriate warnings and safe handling procedures should be provided by you to handlers and users. Additionally, the user should review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with the applicable federal, state, provincial or local hazard communication requirements. This SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the fitness for use of the material, or the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, vendor neither assumes nor retains any responsibility for any damage or injury resulting from abnormal use, from any failure to adhere to appropriate practices, or from any hazards inherent in the nature of the material. Moreover, unless an employee or a customer accesses or receives a SDS directly from the company, there is no assurance that a document obtained from alternate sources is the most currently available SDS. The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Completed by Clark PTP Staff

No Annex