
SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**Product name : **S.G. Type "M"****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Oil based lubricants and metalworking fluids

1.3 Details of the supplier of the safety data sheetCompany : Clark Oil & Chemical
7555 Bessemer Avenue
Cleveland, Ohio 44127
USA

Telephone : +1 216-341-8914

Fax : +1 216-341-2789

1.4 Emergency Telephone Number

Emergency Phone # : 1-800-430-1559

SECTION 2: Hazards Identification**2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Not Hazardous

2.2 Label Elements

Hazard Symbols : No symbol

Signal Word : No signal word

Hazard Statements : This product does not require any hazard statements

Precautionary Statements : This product does not require any precautionary statements

2.3 Other Hazards

: Used oil may contain harmful impurities. Not classified as flammable but will burn.

SECTION 3: Composition/information on ingredients**3.1 Mixtures**

Chemical nature of the product : petroleum hydrocarbon mixture

Concentrations of Ingredients

| Material | CAS No. | Percent |
|--|------------|----------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 75 – 90% |

SECTION 4: First aid measures

4.1 Description of first aid measures

- General Information** : Not expected to be a health hazard when used under normal conditions. Contact physician if discomfort continues.
- Eye Contact** : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists get medical attention.
- Skin Contact** : Wash off with soap and plenty of water; remove all contaminated clothes and shoes.
- Ingestion** : Gently wipe or rinse the inside of the mouth with water. In general no treatment is necessary unless large quantities are swallowed, however obtain medical advice. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
- Inhalation** : Move to fresh air. No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No known significant effects or critical hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water in a jet as this will spread the fire.

5.2 Specific hazards arising from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst.

5.3 Advice for Firefighters

Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean up. Do not walk through spilled material. Ensure adequate ventilation.

6.2 Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent the material from spreading and entering drains by using sand, earth, or other barriers. Avoid discharge to the aquatic environment.

6.3 Methods and material for containment and cleaning up

ELIMINATE all ignition source (no smoking, flares, sparks or flames in immediate area). Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Slippery when spilt. Avoid accidents, clean up immediately.

6.4 Additional Advice

Refer to protective measures listed in section 7 and 8. For disposal see section 13.

SECTION 7: Handling and storage**General Precautions**

Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials to prevent fires.

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Do not breathe mist and avoid prolonged exposure to skin.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Keep container tightly closed and in a cool place.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational Exposure Limits**

| Material | CAS No. | Form | TLV or PEL |
|--|------------|------|---------------------|
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | Mist | 5 mg/m ³ |

8.2 Appropriate engineering controls

Wash hands before breaks and at the end of workday.

Maintain air concentrations below occupational exposure standards.

Remove and wash contaminated clothing before re-use.

Material can create slippery conditions.

Control of environmental exposure

Stop leak or spill if possible. Prevent material from entering drains.

8.3 Individual protective measures such as personal protective equipment**Eye Protection**

Wear tightly fitting safety goggles or face shield if splashes are likely to occur.

Hand Protection

Where hand contact with the product may occur the use of gloves approved to relevant standards may provide suitable protection: PVC, neoprene or nitrile rubber gloves. Gloves should only be worn on clean hands.

Skin Protection

Skin protection not ordinarily required beyond standard issue work clothes.

Respiratory Protection

No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. In case of insufficient ventilation wear suitable respiratory equipment with filter for organic vapor.

SECTION 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

- a) Appearance : Amber
- b) Odor : Slight hydrocarbon
- c) Odor Threshold : No data available
- d) pH : Not applicable
- e) Melting point/freezing point : No data available
- f) Initial boiling point and boiling range : No data available
- g) Flash point : 276 °C (Cleveland open cup)
- h) Evaporation rate : No data available
- i) Flammability (solid, gas) : No data available
- j) Upper/lower flammability limits : Upper flammability limit: no data available
Lower flammability limit: no data available
- k) Vapor pressure : No data available
- l) Vapor density (air=1) : Not available
- m) Relative density : 0.918
- n) Water solubility : Negligible
- o) Partition coefficient: n-octanol/water : Not available
- p) Auto-ignition Temperature : Not available
- q) Decomposition Temperature : Not available
- r) Kinematic Viscosity : 591 cSt at 40 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible Materials

No specific data.

10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Basis for assessment

Information given based on data on the components and toxicology of similar products.

Likely routes of exposure

Skin and eye contact are primary routes of exposure. Exposure may occur following accidental ingestion.

Acute toxicity

Expected to be of low toxicity.

Skin corrosion/irritation

May cause skin irritation after prolonged exposure. Prolonged exposure or repeated exposure without proper cleaning can clog pores of the skin.

Serious eye damage/eye irritation

Expected to be slightly irritating.

Respiratory irritation

Inhalation of vapors or mists may cause irritation.

Respiratory or skin sensitization

Not expected to cause respiratory or skin sensitization.

Germ cell mutagenicity

Not considered a mutagenic hazard.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Specific target organ toxicity - single exposure

Not available.

Specific target organ toxicity - repeated exposure

Not available.

Aspiration hazard

Not considered an aspiration hazard.

Additional information

Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and may present risks to health and the environment on disposal. Used oil should be handled with caution and skin contact should be avoided when possible.

SECTION 12: Ecological information

12.1 Toxicity

Eco-toxicity effects

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

| Product/ingredient name | Log P _{ow} | BCF | Potential |
|--|---------------------|-----|-----------|
| Distillates (petroleum), hydrotreated heavy maphthenic | >6 | - | high |

12.4 Mobility in soil

No information available

12.5 Other adverse effects
No information available

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product Disposal

Recover or recycle if possible. Dispose in accordance with applicable regulations. Do not dispose into the environment, in drains, or in water courses.

Contaminated packaging

Dispose in accordance with applicable regulations, preferably to a recognized collector or contractor.

SECTION 14: Transportation information

UN number : Not applicable
UN proper shipping name : Not applicable
Transport hazard classes : Not applicable
Packing group : Not applicable
Environmental hazards : Not applicable
Special precautions : Not applicable

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of 29 CFR 1910 (OSHA HCS)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Not available

SECTION 16: Other Information

HMIS Rating

HEALTH : 1
FLAMMABILITY : 1
REACTIVITY : 0
PERSONAL PROTECTION : B

TLV = Threshold Limit Exposure (ACGIH) PEL= Permissible Exposure Limit (OSHA)

Preparation Date : 1/1/2018

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.
