**NEATSFOOT OIL**

The Neatsfoot Oil Refineries Corporation

**SAFETY DATA SHEET (SDS)**

# Palm Oleic â€“ COLFAT 75

Palm Oleic â€“ COLFAT 75 is supplied in the Fatty Acids range for industrial formulation and processing enquiries. Listed grade: COLFAT 75. CAS No. 112-80-1.

| | |
|---|---|
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## CONTROLLED DOCUMENT NOTICE

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# COLFAT 75

Date of compilation: 2026-08-15 Version: 1

## SECTION 1: IDENTIFICATION

**1.1 Product identifier:**

COLFAT 75
Oleic acid

CAS: 112-80-1

**Other means of identification:**

Not relevant

**1.2 Recommended use of the chemical and restrictions on use:**

Relevant uses (Industrial user):
- Not defined

Uses advised against:
- All uses not specified in this section or in section 7.3

**1.3 Initial supplier identifier:**

POLYRHEO
217 Brunswick, Pointe Claire
H9R 4R7 Montreal - Quebec - Canada
Phone: +1 514 457 5004
sales@polyrheo.com
https://www.polyrheo.com/

**1.4 Emergency phone number:** CANUTEC's 24-Hour Number:
1-888-226-8832 (Canada and US) and/or
1-613-996-6666 (International)
Organization 24 hour contact number: + 1 514-825-4977

## SECTION 2: HAZARD IDENTIFICATION

**2.1 Classification of the substance or mixture:**

**WHMIS 2022:**

The product is not classified as dangerous according to Part 2 of Hazardous Products Regulations (DORS/2015-17 modifié par DORS/2022-272)

**2.2 Label elements:**

**WHMIS 2022:**

None

**2.3 Health and physical hazards not otherwise classified (HHNOC - PHNOC):**

Not relevant

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances:**

**Chemical description:** Not defined

In accordance with Schedule I of the Hazardous Products Regulations (SOR/2015-17), the product contains:

| Identification | Chemical name/Classification | Concentration |
|---|---|---|
| CAS: 112-80-1 | **Oleic acid** | **100 %** |

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**3.2 Mixtures:**

Not relevant

## SECTION 4: FIRST-AID MEASURES

**4.1 Description of necessary measures:**

Consult a doctor in case of discomfort with this Safety data Sheet.

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## SECTION 4: FIRST-AID MEASURES (continued)

**By inhalation:**

In case of symptoms, move the person affected into fresh air.

**By skin contact:**

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,…), seek medical advice with this Safety Data Sheet

**By eye contact:**

Rinse with water until the product has been eliminated. In case of problems, consult a doctor with the SDS of this product.

**By ingestion/aspiration:**

In case of consumption in large quantities, it is recommended to seek medical assistance.

**4.2 Most important symptoms/effects, acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:**

Not relevant

## SECTION 5: FIRE-FIGHTING MEASURES

**5.1 Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

**Unsuitable extinguishing media:**

Non-applicable

**5.2 Specific hazards arising from the chemical:**

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

**5.3 Special protective equipment and precautions for fire-fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task.

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

**6.3 Methods and materials for containment and cleaning up:**

It is recommended:

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.
Spillages in water or sea:
Small spillages:
Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.
Large spillages:
If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

**6.4 Reference to other sections:**

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

It is recommended to transfer at a slow speed to avoid the creation of electrostatic charges that could affect flammable products. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be assessed in the workplace:

There are no applicable occupational exposure limits for the substances contained in the product

**8.2 Appropriate engineering controls:**

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.
All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

If the working conditions and/or safety measures adopted do not allow keeping the airborne concentration of the product below the exposure limits (if any) or at acceptable levels (if no exposure limits exist), suitable respiratory protection equipment chosen by a qualified professional should be used.

C.- Specific protection for the hands

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory hand protection | Protective gloves against minor risks | Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using chemical protection gloves |

D.- Eye and face protection

| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. | Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. |

E.- Bodily protection

| Pictogram | PPE | Remarks |
|---|---|---|
| | Work clothing | Replace before any evidence of deterioration. |
| | Anti-slip work shoes | Replace before any evidence of deterioration. |

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

It is not necessary to take additional emergency measures.

**Environmental exposure controls:**

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

**Volatile organic compounds (VOC) according to Canadian Environmental Protection Act, 1999:**

Volatile organic compounds: 0 % weight

V.O.C. density at 20 ºC: 0 kg/m³ (0 g/L)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

**Appearance:**

| | |
|---|---|
| Physical state at 20 ºC: | Liquid |
| Appearance: | Transparent |
| Colour: | Characteristic |
| Odour: | Characteristic |
| Odour threshold: | Not relevant * |

**Volatility:**

| | |
|---|---|
| Boiling point or initial boiling point and boiling range: | 360 ºC |
| Vapour pressure at 20 ºC: | 3.706E-5 Pa |
| Vapour pressure at 50 ºC: | 0 Pa (0 kPa) |
| Evaporation rate at 20 ºC: | Not relevant * |

**Product description:**

*Not relevant due to the nature of the product, not providing information property of its hazards.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|---|---|
| Density at 20 ºC: | 891 kg/m³ |
| Relative density at 20 ºC: | 0.891 |
| Dynamic viscosity at 20 ºC: | 34.71 mPa·s |
| Kinematic viscosity at 20 ºC: | 38.95 mm²/s |
| Kinematic viscosity at 40 ºC: | Not relevant * |
| Concentration: | Not relevant * |
| pH: | Not relevant * |
| Relative vapour density at 20 ºC: | Not relevant * |
| Partition coefficient — n-octanol/water (logarithmic value) 20 ºC: | Not relevant * |
| Solubility in water at 20 ºC: | Not relevant * |
| Solubility properties: | Not relevant * |
| Decomposition temperature: | Not relevant * |
| Melting point/freezing point: | 13 ºC |
| **Flammability:** | |
| Flash Point: | 189 ºC |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature: | 363 ºC |
| Lower flammability limit: | 0.4 % Volume |
| Upper flammability limit: | 2.9 % Volume |
| **Particle characteristics:** | |
| Median equivalent diameter: | Not relevant * |

**9.2 Other information:**

**Information with regard to physical hazard classes:**

| | |
|---|---|
| Explosive properties: | Not relevant * |
| Oxidising properties: | Not relevant * |
| Corrosive to metals: | Not relevant * |
| Heat of combustion: | 37 kJ/g |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |
| **Other safety characteristics:** | |
| Surface tension at 20 ºC: | Not relevant * |
| Refraction index: | Not relevant * |
| Total lead: | 0 ppm |
| MIR (Maximum Incremental Reactivity): | Not relevant * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

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## SECTION 10: STABILITY AND REACTIVITY (continued)

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|---|---|---|---|---|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

**10.5 Incompatible materials:**

| Acids | Water | Oxidising materials | Combustible materials | Others |
|---|---|---|---|---|
| Avoid strong acids | Not applicable | Not applicable | Not applicable | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide ($CO_2$), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects:**

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met
- Corrosivity/Irritability: Based on available data, the classification criteria are not met

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met
- Corrosivity/Irritability: Based on available data, the classification criteria are not met

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met
- Contact with the eyes: Based on available data, the classification criteria are not met

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met
  IARC: Not relevant
- Mutagenicity: Based on available data, the classification criteria are not met
- Reproductive toxicity: Based on available data, the classification criteria are not met

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met
- Skin: Based on available data, the classification criteria are not met

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met
- Skin: Based on available data, the classification criteria are not met

H- Aspiration hazard:

Based on available data, the classification criteria are not met

**Other information:**

Not relevant

**Product-specific toxicological information:**

| Acute toxicity | | Genus |
|---|---|---|
| LD50 oral | 25000 mg/kg | Rat |

**Specific toxicology information on the substances:**

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| Oleic acid<br>CAS: 112-80-1 | LD50 oral | 25000 mg/kg | Rat |
| | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation vapour | >20 mg/L | |

## SECTION 12: ECOLOGICAL INFORMATION

Based on available data, the classification criteria are not met

**12.1 Ecotoxicity (aquatic and terrestrial, where available):**

Not relevant

**12.2 Persistence and degradability:**

Not relevant

**12.3 Bioaccumulative potential:**

Not relevant

**12.4 Mobility in soil:**

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| Oleic acid<br>CAS: 112-80-1 | Koc | Not relevant | Henry | Not relevant |
| | Conclusion | Not relevant | Dry soil | Not relevant |
| | Surface tension | 3.234E-2 N/m (25 ºC) | Moist soil | Not relevant |

**12.5 Results of PBT and vPvB assessment:**

Not relevant

**12.6 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Disposal methods:**

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See epigraph 6.2.

**Regulations related to waste management:**

Legislation related to waste management:

Canadian Environmental Protection Act, 1999

## SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to Transportation of Dangerous Goods Regulations (SOR/2001-286) including Amendments:

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## SECTION 14: TRANSPORT INFORMATION (continued)

| | | |
|---|---|---|
| **14.1** | **UN number:** | Not relevant |
| **14.2** | **United Nations proper shipping name:** | Not relevant |
| **14.3** | **Transport hazard class(es):** | Not relevant |
| | Labels: | Not relevant |
| **14.4** | **Packing group:** | Not relevant |
| **14.5** | **Environmental hazard:** | No |
| **14.6** | **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** | Not relevant |

**Transport of dangerous goods by sea:**

With regard to IMDG 42-24:

| | | |
|---|---|---|
| **14.1** | **UN number:** | Not relevant |
| **14.2** | **United Nations proper shipping name:** | Not relevant |
| **14.3** | **Transport hazard class(es):** | Not relevant |
| | Labels: | Not relevant |
| **14.4** | **Packing group:** | Not relevant |
| **14.5** | **Marine pollutant:** | No |
| **14.6** | **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises** | |
| | Special regulations: | Not relevant |
| | EmS Codes: | |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | Not relevant |
| | Segregation group: | Not relevant |
| **14.7** | **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** | Not relevant |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2026:

| | | |
|---|---|---|
| **14.1** | **UN number:** | Not relevant |
| **14.2** | **United Nations proper shipping name:** | Not relevant |
| **14.3** | **Transport hazard class(es):** | Not relevant |
| | Labels: | Not relevant |
| **14.4** | **Packing group:** | Not relevant |
| **14.5** | **Environmental hazard:** | No |
| **14.6** | **Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** | Not relevant |

## SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations specific for the product in question:**

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## SECTION 15: REGULATORY INFORMATION (continued)

- Domestic Substances List (DSL): *Oleic acid (112-80-1)*
- Export control list: Part 1: prohibited substances: Not relevant
- Export control list: Part 2: substances subject to notification or consent: Not relevant
- Export control list: Part 3: restricted substances: Not relevant
- First Priority Substances List (PSL1): Not relevant
- List of Controlled Substances (ZDHC V3.1): Not relevant
- National Pollutant Release Inventory (NPRI) 2025- 2027 substance list: Not relevant
- Non-Domestic Substances List (NDSL): Not relevant
- Plan of Priorities (Substances identified as priorities for assessment): Not relevant
- Prohibition of Certain Toxic Substances Regulations, 2012: Not relevant
- Second Priority Substances List (PSL2): Not relevant
- The Toxic Substances Control Act (TSCA)(USA, Puerto Rico): *Oleic acid (112-80-1)*
- Toxic substances list: Part 1: Not relevant
- Toxic substances list: Part 2: Not relevant
- Virtual Elimination List: Not relevant

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

**Other legislation:**

Canadian Environmental Protection Act, 1999

## SECTION 16: OTHER INFORMATION

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with Part 4 and Schedule I of the Hazardous Products Regulations (SOR/2015-17), amended by SOR/2020-38 and SOR/2022-272.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**WHMIS 2022:**

Not relevant

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

http://whmis.org/

**Abbreviations and acronyms:**

IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor LD50: Lethal Dose 50 CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
IARC: International Agency for Research on Cancer

Date of compilation: 2026-08-15

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET