

Pyroil™ STARTING FLUID WITH UPPER CYLINDER LUBRICANT

Version Revision Date: SDS Number: Date of last issue: 09/06/2018 3.0 10/16/2019 600000000538 Date of first issue: 05/23/2016

SECTION 1. IDENTIFICATION

Product name : PYROIL REG STARTING FLD 12/11 OZ

Product code : PYSFR11

Manufacturer or supplier's details

Company name of supplier : Niteo Products, LLC

Address : Dallas TX 75225

Email Address : EHS@niteoproducts.com

Telephone : 1-844-696-4836

Emergency telephone num-

ber

: 1-800-424-9300 / 1-703-741-5970

Recommended use of the chemical and restrictions on use

Recommended use : STARTING FLUID

Restrictions on use : Use only outdoors or in a well-ventilated area.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Flammable aerosols : Category 1

Skin irritation : Category 2

Eye irritation : Category 2A

Carcinogenicity : Category 2

Specific target organ toxicity

- single exposure

Category 3 (Central nervous system)

Aspiration hazard : Category 1

GHS label elements

Hazard pictograms :







Signal word : Danger



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Hazard statements Extremely flammable aerosol.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer.

Precautionary statements

Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and

understood.

Keep away from heat/sparks/open flames/hot surfaces. No

smoking.

Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Wash skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/ protective clothing/ eye protection/ face

protection.

Response:

IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/ attention.

Do NOT induce vomiting.

If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Mixture



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Hazardous components

| Chemical name | CAS-No. | Concentration (% w/w) |
|--------------------------------------|-------------|-----------------------|
| Heptane, branched, cyclic and linear | 426260-76-6 | >= 70 - < 90 |
| Ethyl ether | 60-29-7 | >= 10 - < 20 |
| n-Heptane | 142-82-5 | >= 1 - < 5 |
| Carbon dioxide | 124-38-9 | >= 1 - < 5 |
| Ethanol | 64-17-5 | >= 1 - < 5 |
| Chloroethane | 75-00-3 | >= 0.1 - < 1 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later.

Do not leave the victim unattended.

If inhaled : Move to fresh air.

Consult a physician after significant exposure.

If unconscious, place in recovery position and seek medical

advice.

If symptoms persist, call a physician.

In case of skin contact : If on clothes, remove clothes.

Remove contaminated clothing. If irritation develops, get med-

ical attention.

If on skin, rinse well with water.

Wash contaminated clothing before re-use. If skin irritation persists, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Obtain medical attention.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms

and effects, both acute and

delayed

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness. Suspected of causing cancer.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray

Carbon dioxide (CO2)

Dry chemical



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Alcohol-resistant foam

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire-

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion prod-

ucts

Carbon oxides

Specific extinguishing meth-

ods

Product is compatible with standard fire-fighting agents.

Further information : Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.

Special protective equipment :

for firefighters

In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emer-

gency procedures

Use personal protective equipment.

Remove all sources of ignition. Ensure adequate ventilation.

Avoid breathing dust.

Beware of vapours accumulating to form explosive concentra-

tions. Vapours can accumulate in low areas.

Evacuate personnel to safe areas.

Persons not wearing protective equipment should be excluded

from area of spill until clean-up has been completed.

Environmental precautions : Prevent further leakage or spillage if safe to do so.

Prevent product from entering drains.

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform

respective authorities.

SECTION 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapours).

Keep away from open flames, hot surfaces and sources of

ignition.

Use only explosion-proof equipment.

Do not spray on a naked flame or any incandescent material.

Advice on safe handling : Open drum carefully as content may be under pressure.

Provide sufficient air exchange and/or exhaust in work rooms.

Do not breathe vapours/dust.



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Do not smoke.

Take precautionary measures against static discharges.

Avoid contact with skin and eyes.

Dispose of rinse water in accordance with local and national

regulations.

Container hazardous when empty.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

For personal protection see section 8.

Conditions for safe storage : BEWARE: Aerosol is pressurized. Keep away from direct sun

exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or

red-hot objects.

Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

No smoking.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|--------------------------------------|-------------|-------------------------------------|--|-----------|
| Heptane, branched, cyclic and linear | 426260-76-6 | TWA | 400 ppm | ACGIH |
| | | STEL | 500 ppm | ACGIH |
| Ethyl ether | 60-29-7 | TWA | 400 ppm | ACGIH |
| | | STEL | 500 ppm | ACGIH |
| | | TWA | 400 ppm 1,200 mg/m3 | OSHA Z-1 |
| | | TWA | 400 ppm 1,200 mg/m3 | OSHA P0 |
| | | STEL | 500 ppm 1,500 mg/m3 | OSHA P0 |
| n-Heptane | 142-82-5 | TWA | 85 ppm 350 mg/m3 | NIOSH REL |
| | | С | 440 ppm 1,800 mg/m3 | NIOSH REL |
| | | TWA | 500 ppm 2,000 mg/m3 | OSHA Z-1 |
| | | TWA | 400 ppm 1,600 mg/m3 | OSHA P0 |
| | | STEL | 500 ppm 2,000 mg/m3 | OSHA P0 |
| | | TWA | 400 ppm | ACGIH |



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| | | STEL | 500 ppm | ACGIH |
|----------------|----------|------|----------------------------|-----------|
| Carbon dioxide | 124-38-9 | TWA | 5,000 ppm | ACGIH |
| | | STEL | 30,000 ppm | ACGIH |
| | | TWA | 5,000 ppm 9,000 mg/m3 | NIOSH REL |
| | | ST | 30,000 ppm 54,000 mg/m3 | NIOSH REL |
| | | TWA | 5,000 ppm 9,000 mg/m3 | OSHA Z-1 |
| | | TWA | 10,000 ppm 18,000 mg/m3 | OSHA P0 |
| | | STEL | 30,000 ppm 54,000 mg/m3 | OSHA P0 |
| Ethanol | 64-17-5 | STEL | 1,000 ppm | ACGIH |
| | | TWA | 1,000 ppm 1,900 mg/m3 | NIOSH REL |
| | | TWA | 1,000 ppm 1,900 mg/m3 | OSHA Z-1 |
| | | TWA | 1,000 ppm 1,900 mg/m3 | OSHA P0 |
| Chloroethane | 75-00-3 | TWA | 100 ppm | ACGIH |
| | | TWA | 1,000 ppm 2,600 mg/m3 | OSHA Z-1 |
| | | TWA | 1,000 ppm 2,600 mg/m3 | OSHA P0 |

Engineering measures : Provide sufficient mechanical (general and/or local exhaust)

ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or

apparent adverse effects.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an ap-

proved filter.

In the case of dust or aerosol formation use respirator with an

approved filter.

Hand protection

Remarks : Wear resistant gloves (consult your safety equipment suppli-

er). The suitability for a specific workplace should be discussed with the producers of the protective gloves. Discard

gloves that show tears, pinholes, or signs of wear.

Eye protection : Wear chemical splash goggles when there is the potential for

exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Choose body protection according to the amount and con-

centration of the dangerous substance at the work place.

Wear as appropriate: Impervious clothing Flame-resistant clothing

Safety shoes

salety shoes



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Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice.

When using do not smoke.
When using do not eat or drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : aerosol

Colour : not determined

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Boiling point/boiling range : 34.6 °C

(1,013 hPa)

The value is calculated

Flash point : -45 °C

The value is calculated

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Self-ignition : No data available

Upper explosion limit / Upper

flammability limit

36.5 %(V)

The value is calculated

Lower explosion limit / Lower :

flammability limit

1.05 %(V)

The value is calculated

Vapour pressure : 717.26 hPa (25 °C)

The value is calculated

Relative vapour density : No data available

Density : 0.7114 g/cm3 (15.56 °C)

Solubility(ies)

Water solubility : No data available

Partition coefficient: n-

octanol/water

: No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available



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Oxidizing properties : No data available

Molecular weight : No data available

VOC % By Weight : 99.5 %

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reac-

tions

No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Acids

Alkali metals Ammonia Bases halogens

Oxidizing agents Sulphur compounds

Hazardous decomposition

products

Hazardous decomposition

products

Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: 2,554 mg/kg

Method: Calculation method

Components:

Ethyl ether:

Acute oral toxicity : LD50 (Rat): 1,200 - 1,700 mg/kg

n-Heptane:

Acute oral toxicity : LD50 (Rat): Expected > 5,000 mg/kg

Remarks: Information given is based on data obtained from



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similar substances.

Acute inhalation toxicity : LC50 (Rat, male and female): > 29.29 mg/l

Exposure time: 4 h
Test atmosphere: vapour

Method: OECD Test Guideline 403

Assessment: No adverse effect has been observed in acute

inhalation toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): Expected > 2,000 mg/kg

Assessment: No adverse effect has been observed in acute

dermal toxicity tests.

Remarks: Information given is based on data obtained from

similar substances.

Ethanol:

Acute oral toxicity : LD50 (Rat): 7,060 mg/kg

Acute inhalation toxicity : LC50 (Rat): 117 - 125 mg/l

Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LDLo (Rabbit): 20 g/kg

Chloroethane:

Acute inhalation toxicity : LC50 (Rat): > 19000 ppm

Exposure time: 4 h
Test atmosphere: vapour

Method: OECD Test Guideline 403

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks: May cause skin irritation and/or dermatitis.

Components:

Heptane, branched, cyclic and linear:

Result: Irritating to skin.

Ethyl ether:

Result: Irritating to skin.

n-Heptane:

Result: Irritating to skin.

Carbon dioxide:

Assessment: No skin irritation Result: No skin irritation



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Ethanol:

Result: Possibly irritating to skin

Chloroethane:

Result: Possibly irritating to skin

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:

Heptane, branched, cyclic and linear:

Result: Possibly irritating to eyes

Ethyl ether:

Result: Irritating to eyes.

n-Heptane:

Result: Possibly irritating to eyes

Carbon dioxide:

Result: No eye irritation

Ethanol:

Result: Irritating to eyes.

Chloroethane:

Result: Possibly irritating to eyes

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Heptane, branched, cyclic and linear:

Result: Substance is not considered to be potential skin sensitiser.

n-Heptane:

Test Type: Maximisation Test



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Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

Remarks: Information given is based on data obtained from similar substances.

Germ cell mutagenicity

Not classified based on available information.

Components:

n-Heptane:

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Carcinogenicity

Suspected of causing cancer.

Components:

Chloroethane:

Carcinogenicity - Assess-

ment

Limited evidence of carcinogenicity in animal studies

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA No component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

Components:

Heptane, branched, cyclic and linear:

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness.

Ethyl ether:

Assessment: May cause drowsiness or dizziness.

n-Heptane:

Assessment: May cause drowsiness or dizziness.



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Ethanol:

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

Heptane, branched, cyclic and linear:

May be fatal if swallowed and enters airways.

n-Heptane:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Additional ecological

information

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Very toxic to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and

federal regulations.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

International Regulations



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IATA-DGR

UN/ID No. : UN 1950

Proper shipping name : Aerosols, flammable

Class : 2.1

Packing group : Not assigned by regulation

Labels : 2.1 Packing instruction (cargo : 203

aircraft)

Packing instruction : 203

(passenger aircraft)

IMDG-Code

UN number : UN 1950 Proper shipping name : AEROSOLS

Class : 2.

Packing group : Not assigned by regulation

Labels : 2.1 EmS Code : F-D, S-U Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

UN/ID/NA number : UN 1950 Proper shipping name : Aerosols

Class : 2.7

Packing group : Not assigned by regulation

Labels : 2.1 ERG Code : 126 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

| Components | CAS-No. | Component RQ | Calculated product RQ |
|-------------|----------|--------------|-----------------------|
| | | (lbs) | (lbs) |
| Ethyl ether | 60-29-7 | 100 | 510 |
| Ethyl ether | 60-29-7 | 100 | 100 (F003) |
| Methanol | 67-56-1 | 100 | 100 (F003) |
| Toluene | 108-88-3 | 100 | 100 (F005) |
| Benzene | 71-43-2 | 10 | 10 (D018) |

SARA 304 Extremely Hazardous Substances Reportable Quantity

| Components | CAS-No. | | Calculated product RQ |
|----------------|-----------|-------|-----------------------|
| | | (lbs) | (lbs) |
| Sulfur dioxide | 7446-09-5 | 500 | * |

^{*:} Calculated RQ exceeds reasonably attainable upper limit.



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SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)

Skin corrosion or irritation

Serious eye damage or eye irritation

Carcinogenicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

SARA 313 : This material does not contain any chemical components with

known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

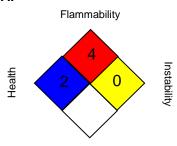
California Prop. 65

WARNING: This product can expose you to chemicals including Chloroethane, Naphthalene, Benzene, which is/are known to the State of California to cause cancer, and Toluene, Methanol, Sulfur dioxide, Benzene, Methyl chloride, n-Hexane, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



Special hazard.

Revision Date : 10/16/2019

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific



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material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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