



Prepared according to Commission Regulation (EU) No 453/2010.

Section 1	Identification of substance/mixture and of the company/undertaking
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1.1 Product Identifier

HUILE code TECUMSEH EUROPE 181030

Synonyms None.

1.2 Relevant identified uses of the substance or mixture and (uses advised against)

Relevant identified uses (see section 7.3 for information on REACH registered uses)

Multipurpose.

1.3 Details of the supplier of the safety data sheet

CPI Engineering Services
2300 James Savage Rd.
Midland, MI 48642
Phone: 989-496-3780
Fax: 989-496-0316

E-mail contact EUSDS@lubrizol.com

1.4 Emergency Telephone number

FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)

Section 2	Hazards Identification
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2.1 Classification of the substance or mixture

(EC) No 1272/2008

Aquatic Chronic 2; H411

67/548/EC or 1999/45/EC

R52/53

For a full text of R- and H- phrases: See section 16

2.2 Label elements

(EC) No 1272/2008



Toxic to aquatic life with long lasting effects.

Avoid release to the environment.

All disposal practices must be in accordance with local, national and international regulations.

Supplemental label information

None.

2.3 Other hazards

None identified.

Section 3	Composition/Information on Ingredients
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3.2 Mixtures

(EC) No 1272/2008

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
201-105-6	Not Available	From 1 to 4.9 percent	Phosphoric acid, tris(4-methylphenyl) ester	Acute Tox. 4; H302 Acute Tox. 4; H312 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

67/548/EC or 1999/45/EC

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
201-105-6	Not Available	From 1 to 4.9 percent	Phosphoric acid, tris(4-methylphenyl)	67/548/EC N Xn

Section 4	First Aid Measures
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4.1 Description of first aid measures**Skin**

Wash with soap and water. Immediately remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Inhaled

Remove exposed person to fresh air if adverse effects are observed.

Swallowed

DO NOT INDUCE VOMITING. Get immediate medical attention.

Advice for first-aid providers

When providing first aid always protect yourself against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. After providing first aid wash your exposed skin with soap and water.

4.2 Most important symptoms and effects, both acute and delayed

See section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: Treat symptomatically.

Section 5	Fire Fighting Measures
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5.1 Extinguishing Media

CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.

5.2 Special hazards arising from substance or mixture

See section 10 for additional information.

5.3 Advice for firefighters

Recommend wearing self-contained breathing apparatus.

Section 6	Accidental Release Measures
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6.1 Personal precautions, protective equipment and emergency procedures

Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area.

6.2 Environmental precautions

Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

6.3 Methods and material for containment and cleaning up

Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

6.4 Reference to other sections

See sections 8 and 13 for additional information.

Section 7	Handling and Storage
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7.1 Precautions for safe handling

Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Pumping Temperature

Not determined.

Maximum Handling Temperature

Not determined.

Loading Temperature

Not determined.

7.2 Conditions for safe storage, including any incompatibilities

Take precautions to avoid release to the environment.

Maximum Storage Temperature

Not determined.

7.3 Specific end use(s)

End uses are listed in an attached exposure scenario when one is required.

Section 8	Exposure Controls/Personal Protection
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8.1 Control parameters

None known.

Other Exposure Limits

None known.

8.2 Exposure controls

Use with adequate ventilation.

Eye/face protection

Safety Glasses.

Skin protection

Use nitrile or neoprene gloves.

Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

Respiratory Protection

Use respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Hygiene Measures

Wash thoroughly after handling this product.

Environmental exposure controls

See section 6 for details.

Section 9	Physical and Chemical Properties
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9.1 Information on basic physical and chemical properties

Appearance	Clear to yellow liquid.
Odour	Mild
Odour Threshold	Not determined.
pH	Not determined.
Melting / Freezing Point	Not determined.
Boiling Point	Not determined.
Boiling Point Range	Not determined.
Flash Point	210 °C, 410 °F COC (Typical)
Evaporation Rate	Not determined.
Flammability (solid,gas)	Not applicable.
Lower flammability or explosive limit	Not determined.
Upper flammability or explosive limit	Not determined.
Vapour Pressure	Not determined.
Vapour Density	Not determined.
Relative density	0.98 (20 °C)
Bulk Density	Not determined.
Water Solubility	Slightly soluble.
Other solubilities	Not determined.
Partition coefficient: n-octanol/water	Not determined.
Autoignition Point	Not determined.
Decomposition Temperature	Not determined.
Viscosity	31.5 Centistokes (40 °C) 5.6 Centistokes (100 °C)
Explosive properties	Material does not have explosive properties.
Oxidising properties	Material is a non-oxidising substance.

9.2 Other information

The above data are typical values and do not constitute a specification.

Section 10	Stability and Reactivity
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10.1 Reactivity

Carefully review all information provided in sections 10.2 - 10.6.

10.2 Chemical stability

Material is normally stable at moderately elevated temperatures and pressures.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

Not determined.

10.5 Incompatible materials

None known, avoid contact with reactive chemicals.

10.6 Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Phosphorous compounds

Section 11	Toxicological Information
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11.1 Information on toxicological effects

Acute toxicity

Oral

The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials. Ingestion of this material can result in neurotoxicity. Signs and symptoms include increased sweating of hands and feet, numbness, tingling and weakness in extremities, unsteady gait and decreased reflexes.

Dermal

The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials. Skin absorption of components of this material will cause systemic effects; note toxicity in other sections.

Inhalation

High concentrations may cause headaches, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, other central nervous system effects leading to visual impairment, respiratory failure, unconsciousness and death.

Skin corrosion / irritation

Not expected to be a primary skin irritant. Based on data from components or similar materials.

Serious eye damage / irritation

May cause eye irritation. Does not meet Canadian D2B or EU R36 criteria. Based on data from similar materials.

Respiratory Irritation

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from similar materials.

Respiratory or skin sensitization

Skin

No data available to indicate product or components may be a skin sensitizer.

Respiratory

No data available to indicate product or components may be respiratory sensitizers.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

Reproductive Toxicity

No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

STOT repeated exposure

Repeated occupational exposure to tricresyl phosphate over a prolonged period of time may cause delayed neurotoxicity characterized by ataxia and tremors.

Other information

No other health hazards known.

Section 12	Ecological Information
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12.1 Toxicity

Freshwater fish

The acute LC50 is 1 - 10 mg/L based on component data.

Freshwater invertebrates

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The acute EC50 is 1 - 10 mg/L based on component data.

Algae

Not determined.

Bacteria

Not determined.

12.2 Persistence and degradability

Not applicable.

12.3 Bioaccumulative potential

Not applicable.

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

Not Available

12.6 Other adverse effects

None known.

Section 13	Disposal Considerations
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13.1 Waste treatment methods

All disposal practices must be in accordance with local, regional, national and international regulations. Do not dispose in landfill.

Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Section 14	Transport Information
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14.1 UN number

ADR/RID	UN3082
ICAO	UN3082
IMDG	UN3082

14.2 UN proper shipping name

ADR/RID	Environmentally hazardous substance, liquid, n.o.s.(Tricresyl phosphate)
ICAO	Environmentally hazardous substance, liquid, n.o.s.(Tricresyl phosphate)
IMDG	Environmentally hazardous substance, liquid, n.o.s.(Tricresyl phosphate)

14.3 Transport hazard class(es)

ADR/RID	9
ICAO	9
IMDG	9

14.4 Packing group

ADR/RID	III
ICAO	III
IMDG	III

14.5 Environmental hazards

ADR/RID	Aquatic Pollutant(Tricresyl phosphate)
ICAO	Marine Pollutant(Tricresyl phosphate)
IMDG	Marine Pollutant(Tricresyl phosphate)

14.6 Special precautions for users

Review classification requirements before shipping materials at elevated temperatures.

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

Not determined.

Section 15	Regulatory Information
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15.1 Safety, health and environment regulations / legislation specific for the substance or mixture

Global Chemical Inventories

Australia	All components are in compliance with chemical notification requirements in Australia.
Canada	This material contains a component that has been notified to Environmental Canada and is eligible for addition to the Domestic Substances List (DSL).

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China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.
EU	All components are in compliance with the EC Seventh amendment Directive 92/32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Korea	All components are in compliance in Korea.
New Zealand	All components are in compliance with chemical notification requirements in New Zealand.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Taiwan	All components of this product are listed on the Taiwan inventory.
USA	All components of this material are on the US TSCA Inventory or are exempt.

German water hazard classes

WGK = 2 according to the Water Hazardous Directive, VwVwS, dated May 17, 1999.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16	Other Information
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Created by

Product Safety and Compliance Department (440-943-1200)

Created Date

10 December 2009

Revision date

28 February 2011

SDS No.

3691170-5126792-3010171-102103

HMIS Codes

Health	Fire	Reactivity
1*	1	0

Relevant R Phrases

R21/22 -- Harmful in contact with skin and if swallowed.

R51/53 -- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 -- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Relevant hazard phrases

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

H411 - Toxic to aquatic life with long lasting effects.

Revision Indicators

Section: 2 Label Eye first aid

Changed: 28 February 2011

Section: 2 Extinguishing media.

Changed: 28 February 2011

Section: 2 Oral first aid.

Changed: 28 February 2011

Section: 2 Skin first aid.

Changed: 28 February 2011

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