

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

## MANITOU HUILE SPECIALE FREINS IMMERGES

**33264**

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Name : MANITOU HUILE SPECIALE FREINS IMMERGES

Product form : Mixture

Product code : 33264

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses

Use of the substance/mixture : A lubricant specially designed for components containing wet brakes

##### Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

MANITOU BF  
44158 ANCENIS Cedex - France  
T +33 (0)2 40 09 10 11 - F +33 241 505 243  
[contact\\_FDS\\_MSDS@manitou-group.com](mailto:contact_FDS_MSDS@manitou-group.com)

#### 1.4. Emergency telephone number

Emergency number : The emergency telephone number for France is the ORFILA (INRS) number: + 33 (0) 1 45 42 59 59. This number gives details of all the poison control centres in France. These poison control and toxicovigilance centres provide free medical care 24/7 (excluding the cost of the call). For the emergency telephone number for your own country, please contact the relevant local authorities and visit the ECHA (European Chemicals Agency) website: [http://echa.europa.eu/help/nationalhelp\\_contact\\_en.asp](http://echa.europa.eu/help/nationalhelp_contact_en.asp)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2	H319	Calculation method
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Calculation method

Full text of hazard classes and H-statements : see section 16

# Safety Data Sheet

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

:



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H319 - Causes serious eye irritation  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP)

: P102 - Keep out of reach of children  
P273 - Avoid release to the environment  
P280 - Wear eye protection, face protection, protective gloves  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

EUH-statements

: EUH208 - Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, Benzene, polypropylene derivatives, sulfonated, calcium salts. May produce an allergic reaction

### 2.3. Other hazards

Other hazards which do not result in classification

: Inhalation may cause chemically-induced pneumopathy. Prolonged or repeated contact with the skin may cause dermatitis. The oil used may contain harmful impurities. Not categorised as flammable but is combustible. Regulations forbid the disposal of oils and lubricants in the natural environment.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Comments

: Product with a base of highly refined mineral oil(s)  
Mineral oil-based product which need not be classed as a carcinogen as it can be shown that the substance contains less than 3% DMOS extract when measured using the IP 346 method

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
zinc bis(O,O-diisooctyl) bis (dithiophosphate)	(EC no) 249-109-7 (REACH-no) 01-2119953278-28	< 2,5	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Mineral oil ()		< 2,5	Asp. Tox. 1, H304
C14-18 alpha-olefin epoxide, reaction products with boric acid	(EC no) POLYMERE	< 1	Skin Sens. 1B, H317
Benzene, polypropylene derivatives, sulfonated, calcium salts	(EC no) POLYMERE	< 1	Skin Sens. 1, H317 Eye Irrit. 2, H319
phenol, dodecyl-, branched	(CAS No) 121158-58-5 (EC no) 310-154-3 (EC index no) 604-092-00-9 (REACH-no) 01-2119513207-49	< 0,1	Skin Corr. 1C, H314 Repr. 2, H361f Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

# Safety Data Sheet

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

The contained mineral oil can be described by one or several of the following statements

No. CE 265-157-1, Recording No. 01-2119484627-25, hydrotreated heavy paraffinic distillates (petroleum)

No. CE 265-169-7, Recording No. 01-2119471299-27, solvent-dewaxed heavy distillates (petroleum)

No. CE 265-158-7, Recording No. 01-2119487077-29, hydrotreated light paraffinic distillates (petroleum)

No. CE 265-159-2, Recording No. 01-2119480132-48, solvent-dewaxed light distillates (petroleum), light paraffinic fraction.

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: In case of dizziness or nausea, expose the person to fresh air. If symptoms persist, seek medical attention or admit the person to hospital.
First-aid measures after skin contact	: Remove contaminated clothing. Wash with water and soap. Should skin come into contact with high-pressure spray, there is a risk of entry into the body. The injured person should be taken to hospital even if there is no apparent wound.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Consult an ophthalmologist if irritation, redness, pain or persistent visual discomfort.
First-aid measures after ingestion	: If the person is conscious, rinse mouth with water. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. If inhalation is suspected (occurrence of vomiting, for example), transfer immediately to hospital.

#### 4.2. Most important symptoms and effects, both acute and delayed

Chronic symptoms	: See Sub Heading 2.1/2.3.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Inhalation may cause chemically-induced pneumopathy. Prolonged or repeated contact with the skin may cause dermatitis.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Sprayed water with additive, chemical powder, chemical foam, carbon dioxide extinguisher.
Unsuitable extinguishing media	: Solid water jet.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid.
Reactivity in case of fire	: Combustion probably produces a complex mixture of solid and liquid particles suspended in the air and gases including: metal oxides, nitrogen oxides (NOx), phosphorous oxides, carbon monoxide, carbon dioxide, unburned hydrocarbons (smoke), hydrogen sulphide and unidentified organic and inorganic compounds. Inhalation is highly dangerous.
Hazardous decomposition products in the event of fire	: The incomplete combustion and thermolysis produce more or less toxic gases, such as carbon oxides.

#### 5.3. Advice for firefighters

Precautionary measures fire	: Do not enter the danger zone without suitable chemical protection clothing and self-contained breathing apparatus.
Protection in the event of a fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Packaging exposed to heat or open flames should be cooled with a fine water spray. Prevent fire-fighting water from entering drains.

# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

General measures : Eliminate every possible source of ignition.

##### **For non-emergency personnel**

Protective equipment : Personal protection : see section 8.

Emergency procedures : Avoid contact with eyes and skin. Do not breathe vapour. To minimise the risk of exposure, wear gloves, goggles, boots and hydrocarbon-resistant clothes.

##### **For emergency responders**

Protective equipment : Personal protection : see section 8.

Emergency procedures : Avoid contact with eyes and skin. Do not breathe vapour. To minimise the risk of exposure, wear gloves, goggles, boots and hydrocarbon-resistant clothes.

#### **6.2. Environmental precautions**

Avoid discharge or leakage into drains, trenches or rivers by using sand, soil or other appropriate barrier. In the event of spreading, alert the competent authorities if the situation cannot be quickly and efficiently managed.

#### **6.3. Methods and material for containment and cleaning up**

For containment : Limited spillage: Absorb the liquid with sand or soil. Gather up and place in an appropriate container, clearly marked, for disposal in accordance with regulations.  
Major spillage: Prevent any spreading by using a barrier of sand, soil or other material to contain the product. Gather up the product directly or with absorbent material. Dispose of as for limited spillage. Do not discharge the recovered product as is into the Environment.

Methods for cleaning up : Wash soiled surfaces taking care not to contaminate the natural environment.

#### **6.4. Reference to other sections**

For information on handling, see section 7. For information on personal protective equipment, see section 8. For information on disposal, see section 13.

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

Additional hazards when processed : Ensure adequate ventilation. Use in well ventilated place.

Precautions for safe handling : Do not breathe vapour. Avoid contact with skin and eyes. Do not eat or drink at point of use.  
Personal protection : see section 8.

Hygiene measures : Provide good ventilation in process area to prevent formation of vapour, aerosol. Keep packaging tightly closed and away from sources of heat, sparks and naked flames. To avoid the risk of fire, design facilities in order to prevent: - accidental spattering of the product (for example, due to a broken seal) on hot casings or electrical contacts. - accidental oil leaks from a pressurised circuit resulting in very fine flammable spray (the lower flammability limit for oil mist is reached at concentrations of about 45 g/m<sup>3</sup>). Cloths saturated with the product, paper or materials used to absorb spills are a fire hazard. Do not allow them to accumulate. Dispose of them immediately in a safe way after use.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures : Store at room temperature away from water, humidity, heat and any ignition source. Keep containers closed when not in use.

Storage conditions : Storage - away from: strong oxidising agents; direct sunlight; sources of heat.

# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

Heat and ignition sources	: Keep away from heat and ignition sources.
Storage area	: Store away from heat. Store in a well-ventilated place.
Special rules on packaging	: Only use hydrocarbon-resistant containers, seals, pipes, etc.
Packaging materials	: Keep in original containers closed. Empty packaging may contain flammable or explosive vapours.

### 7.3. Specific end use(s)

No data / information available. Refer to the product data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

MANITOU HUILE SPECIALE FREINS IMMERGES	
France	In France, neither the Ministry of Labour responsible for defining the occupational exposure limits in France nor the Scientific Committee for Occupational Exposure Limits (SCOEL) in Europe has set any limit values concerning oil mists. Within the prevention institution (CRAM, INRS, etc.), it has been decided to retain the NIOSH value of 0.5 mg/m <sup>3</sup> as an objective to be achieved in terms of sanitation of the workshops where the cutting fluids are used. SOURCE: CUTTING FLUID AEROSOL METROLOGY; ND 2267 - 207 - 07; INRS; Occupational health and safety - Documentary notes booklets - 2nd quarter 2007

### 8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Use only in well ventilated areas.
Hand protection	<p>: Due to the many possible conditions of exposure, the user should consider the actual period of use of a chemical protective glove to be significantly shorter than the period prior to permeation. You must follow the manufacturer's instructions, particularly concerning minimum thickness and minimum period prior to permeation. This information must not replace the compliance tests carried out by the final user. The protection provided by the glove depends on the conditions in which the substance/mix is used.</p> <p>Use at minimum a pair of chemical-resistant, leak-proof gloves (compliant with the EN 374 standard). The use of this product means that the type of material and thickness of the gloves and the time taken to break down the material used to make the gloves cannot be decided until an in-depth study of the workstation has taken place, leading to a clear definition of the conditions of use and the most accurate possible evaluation. The gloves should therefore be chosen with the advice of the individual protective equipment manufacturer.</p> <p>Wear waterproof, hydrocarbon-resistant gloves (Nitrile gloves recommended in accordance with the norm EN374).</p>
Eye protection	: Goggles with lateral protection (according to standard EN 166).
Skin and body protection	: Avoid any skin contact. Depending on the conditions, face shields, hydrocarbon-resistant boots and clothing, or protective footwear should be worn.
Respiratory protection	<p>: No special respiratory protection equipment is required under normal conditions of use.</p> <p>If the mist or vapours cannot be controlled, a breathing apparatus fitted with a cartridge for organic vapours combined with a pre-filter is to be used (type A/P combined filter in accordance with EN141/EN143 standards).</p>
Thermal hazard protection	: Heated product causes burns.
Environmental exposure controls	: Avoid release into natural bodies of water, waste water or the soil.
Other information	: Ensure sufficient ventilation. Do not breathe smoke/gas/mists/vapours/aerosols. Wear protective gloves/protective clothes/eye protection/face protection. Do not touch the product without suitable protective equipment. Do not eat, drink or smoke in the workplace under any circumstances.

# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid.
Colour	: Light brown.
Odour	: Hydrocarbon compound.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: $\approx 260$ °C Open cup
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: $\approx 0,884$
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 10,8 mm <sup>2</sup> /s 100°C. 88 mm <sup>2</sup> /s 40°C.
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity relating to the substances, containers and contaminants to which the substance or mixture may be exposed during their transport, storage and use : No data available.

### 10.2. Chemical stability

The product is stable in normal conditions of use. Stability of the substance or mixture under normal and predictable storage and handling room conditions in terms of temperature and pressure : Chemically stable under standard room conditions (room temperature).

### 10.3. Possibility of hazardous reactions

Reaction or polymerisation of the substance or mixture releasing excessive heat or pressure or generating other dangerous conditions : This product will not polymerise by releasing excessive heat or pressure or by generating other dangerous conditions. (See section 10.1 for reactivity which can generate risks by taking into account the substances, containers and contaminants to which the substance or mixture may be exposed during their transport, storage and use.).

### 10.4. Conditions to avoid

Listing of conditions such as temperature, pressure, light, shocks, electrostatic discharges, vibrations or other physical stresses which may lead to a dangerous situation : According to our knowledge, temperature, pressure, light, shocks, etc. do not lead to a dangerous situation. Keep away from open flames, hot surfaces and ignition sources.

### 10.5. Incompatible materials

Families of substances or mixtures, or specific substances, such as water, air, acids, bases, oxidising agents, with which the substance or mixture may react by generating a dangerous situation : Strong oxidising agents, strong acids and strong bases.

### 10.6. Hazardous decomposition products

Known dangerous decomposition products and products which may be reasonably predictable as such following use, storage, pouring and heating : This product does not decompose under normal conditions. Decomposition products in case of fire : consult section 5.2.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity

: Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category

Skin corrosion/irritation

: Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category

Serious eye damage/irritation

: Causes serious eye irritation.

Respiratory or skin sensitisation

: Not classified

To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category

# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

Germ cell mutagenicity	: Not classified  To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category
Carcinogenicity	: Not classified  To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category
Reproductive toxicity	: Not classified  To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category
Specific target organ toxicity (single exposure)	: Not classified  To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category
Specific target organ toxicity (repeated exposure)	: Not classified  To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category
Aspiration hazard	: Not classified  To the best of our knowledge (and taking into account its composition) this product is not classified in this hazard category
Potential adverse human health effects and symptoms	: No data available.
Other information	: Prolonged or repeated contact with products containing mineral oils may cause the skin's lipidic layer to be removed, especially at high temperatures. Such contact may lead to irritation and probably dermatosis, particularly when adequate personal hygiene is not practiced.  The oils used may contain harmful impurities that have accumulated during use. The concentration of impurities depends on usage, and may cause increasing irritation of the skin and eyes and may pose risks to safety and the environment during disposal. Any oil used is to be handled with caution so as to avoid skin contact if possible.  In France, neither the Ministry of Labour responsible for defining the occupational exposure limits in France nor the Scientific Committee for Occupational Exposure Limits (SCOEL) in Europe has set any limit values concerning oil mists. Within the prevention institution (CRAM, INRS, etc.), it has been decided to retain the NIOSH value of 0.5 mg/m <sup>3</sup> as an objective to be achieved in terms of sanitation of the workshops where the cutting fluids are used. SOURCE: CUTTING FLUID AEROSOL METROLOGY; ND 2267 - 207 - 07; INRS; Occupational health and safety - Documentary notes booklets - 2nd quarter 2007.
Information on the likely routes of exposure :	
Dermal contact	: Can cause dermatosis by contact with the skin in the event of prolonged or repeated contact.  Characteristic skin lesions (oil acne) may develop following prolonged and repeated exposure in contact with dirty clothes
Eyes contact	: Causes serious eye irritation



# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

Inhalation	: High concentrations of vapours or aerosol spray may irritate the respiratory system and mucous membranes
Ingestion	: Inhalation may cause chemically-induced pneumopathy

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: Water-insoluble mixture. May settle in deposits and physically ensnare aquatic organisms. Harmful to aquatic life with long lasting effects.
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#### phenol, dodecyl-, branched (121158-58-5)

Additional information	<p>Pisces</p> <p>LC50 (Pimephales promelas, 4 days) 40 mg / l</p> <p>Aquatic invertebrates</p> <p>EC50 (water flea, 2 days) 0.037 mg / l</p> <p>EC50 (mysid shrimp (Mysidopsis bahia), 4 days) &gt; 0.58 mg / l</p> <p>EC50 (water flea, 21 days) 0.0079 mg / l</p> <p>NOEC (water flea, 21 days) 0.0037 mg / l</p> <p>Toxicity to aquatic plants</p> <p>EC50 (Green algae, 2 days) 0.36 mg / l</p>
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#### 12.2. Persistence and degradability

##### MANITOU HUILE SPECIALE FREINS IMMERGES

Persistence and degradability	No data available.
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##### Mineral oil

Persistence and degradability	Formation of carbon dioxide 31 % (28 days, OCDE TG 301 B).
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#### phenol, dodecyl-, branched (121158-58-5)

Persistence and degradability	Dissolved organic carbon (DOC) 10% (56 days) carbon dioxide formation 25% (28 days, OECD TG 301 B).
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#### 12.3. Bioaccumulative potential

##### MANITOU HUILE SPECIALE FREINS IMMERGES

Bioaccumulative potential	No data / information available.
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#### phenol, dodecyl-, branched (121158-58-5)

Log Kow	≈ 7,14
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# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

### 12.4. Mobility in soil

#### MANITOU HUILE SPECIALE FREINS IMMERGES

Ecology - soil

Largely insoluble, floats and tends to drift from water to land. Susceptible to disperse into sediment and the solid phase of waste-water.

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Regulations forbid the disposal of oils and lubricants in the natural environment

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of in accordance with the local/national safety regulations in force.

Additional information : Regulations forbid the disposal of oils and lubricants in the natural environment.

Ecology - waste materials : Unused residues of the product must be considered as dangerous waste.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

Transport hazard class(es) (IATA) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

Special transport precautions : For information on handling, see section 7. For information on personal protective equipment, see section 8. For information on disposal, see section 13

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

IBC code : No available data for bulk transport in accordance with annex II of the MARPOL 73/78 Convention and the IBC Code; if necessary, consult the supplier.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	zinc bis(O,O-diisooctyl) bis (dithiophosphate) - C14-18 alpha-olefin epoxide, reaction products with boric acid - Benzene, polypropene derivatives, sulfonated, calcium salts
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	zinc bis(O,O-diisooctyl) bis (dithiophosphate) - C14-18 alpha-olefin epoxide, reaction products with boric acid - Benzene, polypropene derivatives, sulfonated, calcium salts - Mineral oil
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	zinc bis(O,O-diisooctyl) bis (dithiophosphate)

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

### National regulations

Ensure all national/local regulations are observed

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Indication of changes:

Following major changes, the SAFETY DATA SHEET has been completely revised.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H361f	Suspected of damaging fertility
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
H412	Harmful to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction



# Safety Data Sheet

## MANITOU HUILE SPECIALE FREINS IMMERGES

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 26/08/2016

Supersedes: 04/06/2014

Version: 4.0

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*