

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 5.3

Revision Date 17.01.2015

Section 1: Product and company identification

1.1 Product identifiers

Product name : Creosote Oil
Trade Name/synonyms : Creosote, Coal Tar Oil
HS Code : 27079100

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

Usage : Wood preservative impregnation; wood preservatives

1.3 Details of the supplier

Distributor Name : HIPPOCAMPUS OU
Distributor address : Pae Str. 21, Tallinn, 11415, Estonia, EU

1.4 Emergency phone No : + 372 581 788 67

Section 2: Hazards Identification

2.1 Hazard designation

Code letter and hazard designation of product:

T Toxic

N Dangerous for the environment

For use in industrial installations or professional treatment only

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 51/53 Toxic to aquatic life may cause long-term adverse effects in the aquatic environment.

For use in industrial installations or professional treatment only.

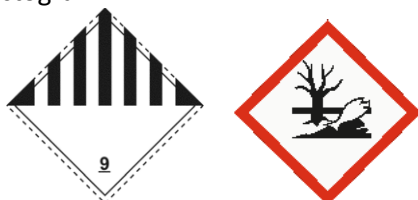
For the full text of the R-phrases mentioned in this Section, see Section 15.

2.2 Label elements

Globally Harmonized System (GHS), EU GHS

Labeling according Regulation (EC) No 1272/2008

Pictogram:



Signal word: **Warning**

Hazard statement(s):

H400 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Risk phrases:

36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label if possible).

Precautionary statement(s):

P273 Avoid release to the environment.

Supplemental Hazard Statements

Other hazards – none

Section 3: Composition/ information on ingredients

Chemical Composition:	Creosote oil is a complex mixture of hundreds of distinct compounds, including bi- and polycyclic aromatic hydrocarbons, phenols, heterocyclic, oxygen-, sulphur- and nitrogen-containing compounds.
CAS No:	8001-58-9
UN:	3082
EU No:	648-101-00-4
HS Code:	27079100
Dangerous components:	Creosote – 100% (EINECS: 232-287-5)

Section 4: First Aid Measures

IF INHALED:	Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if breathing has ceased or show signs of failing. Call a doctor for further treatment advice.
IF IN EYES:	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
IF ON SKIN:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Section 5: Fire Fighting Measures

FLASH POINT:	90 ⁰ C
AUTOIGNITION TEMPERATURE:	530 ⁰ C
EXTINGUISHING MEDIA :	For small fire, use dry powder, foam, water spray or CO ₂ . For large fire, use water/fog, foam. Cool containing vessels with water in order to prevent pressure build-up, auto-ignition or explosion.
PROTECTIVE EQUIPMENT:	Self-contained breathing apparatus with full face piece and full Protective clothing should be worn when fumes and/or smoke are present.
UNUSUAL FIRE AND	

EXPLOSION HAZARDS: Noxious fumes (carbon monoxide, acrid smoke) may be emitted under fire conditions. Water sprays may cause frothing or eruption in closed tanks.

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Section 6: Accidental release measures/spills and leaks

IN CASE OF SPILL

OR OTHER RELEASE: Wear long-sleeved shirt and long pants, rubber boots over shoes and socks, chemical resistant waterproof gloves, protective chemical safety goggles and a pesticide respirator or air-supplied respirator. Absorb with sand, earth, etc., sweep up and place in an approved chemical container for recovery or disposal as hazardous waste. Use non-sparking tools and remove ignition sources. Do not allow product to contaminate surface waters and don't flush to sewer systems.

ENVIRONMENTAL

PRECAUTIONS: Prevent entry into drains and/or water courses.

Section 7: Handling and storage

HANDLING: Material should only be handled by trained personnel wearing suitable personal protection. Provide adequate ventilation.

STORAGE: Bulk quantities should be stored in properly designed and installed systems. Keep closures tight and upright to prevent leakage. Keep container closed when not in use. Best storage temperature 30-35⁰C. Do not store above 80⁰ C.

Section 8: Exposure controls / personal protection

ENGINEERING

CONTROL MEASURES: Provide adequate ventilation to keep vapor concentrations as low as is reasonably practicable.

RESPIRATORY

PROTECTION: Not normally necessary if good ventilation. Additionally, for applicators who manually open pressure treatment cylinder doors, who enter such cylinders or related equipment or who are exposed to wood treatment vapors should wear properly fitting, well-maintained,

SKIN PROTECTION:	respirator with an organic vapor (OV) cartridge. Individuals must wear gloves impervious to the wood treatment formulations in all situations where dermal contact with creosote is expected (e.g. handling freshly treated wood and manually opening cylinder doors). Individuals who enter pressure treatment cylinders and other related equipment that is contaminated with wood treatment formulation (e.g., cylinders that are in operation or are not free of the treatment formulation) must wear protective clothing (including overalls, jacket, gloves, and boots) impervious to the wood treatment formulation and a respirator.
EYE PROTECTION:	Wear goggles and face shield.
WORK PRACTICES:	Eye wash facilities and safety showers should be easily accessible.
USER SAFETY RECOMMENDATIONS:	Applicators must not eat, drink, or use tobacco products during those parts of the application process that may expose them to the wood treatment formulation (manually opening/closing cylinder doors, moving trams out of cylinders, mixing chemicals, and handling freshly treated wood). Wash thoroughly after skin contact and before eating, drinking, use of tobacco products, or using restrooms. Protective clothing must be changed when it shows signs of contamination. Applicators must leave protective clothing and work shoes or boots at the place of work. Worn-out protective clothing and equipment must be disposed of in any general landfill, in the trash or in any other manner approved.

Section 9: Physical and chemical properties

FORMULATION:	Concentrate
PHYSICAL STATE:	Oily, viscous liquid
COLOR:	Dark Brown - Black
ODOR:	Strong aromatic, tar-like
FLASH POINT:	90 ⁰ C min
BULK DENSITY:	1,090 – 1,140 kg/m ³ at 20 ⁰ C
SOLUBILITY IN WATER:	Insoluble
WATER CONTENT:	1,5% max
RESIDUE AT 35 ⁰ C:	Absent
BOILING RANGE, Vol - %	
Distillate to 210 ⁰ C	3 max
Distillate to 275 ⁰ C	35 max
Distillate to 315 ⁰ C	50 max
Distillate to 360 ⁰ C	70 min

Section 10: Stability and reactivity

CHEMICAL STABILITY:	Stable
CONDITIONS TO AVOID:	Excessive heat and open flame
MATERIALS TO AVOID:	Strong acids, especially chlorosulfonic acid
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon. Incomplete combustion may lead to formation of carbon monoxides and/or other asphyxiates.
HAZARDOUS POLYMERIZATION:	Will not occur.

Section 11: Toxicological information

INGESTION:	Irritation of the gastrointestinal tract followed by nausea and vomiting, abdominal discomfort, rapid pulse, etc. May be fatal.
INHALATION:	May cause irritation to the respiratory tract, dizziness, respiratory difficulty, convulsions. May be fatal.
EYES:	May cause irritation, which is accentuated by sunlight and may cause severe corneal injury, including keratitis, conjunctivitis and corneal abrasion.
SKIN:	May cause irritation, which is accentuated by sunlight and may cause severe burns.

Section 12: Ecological information

MARINE POLLUTANT:	This product is toxic to fish and wildlife. Do not apply directly to any body of water or wetlands. Do not contaminate water by cleaning equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters.
DEGRADABILITY:	Slowly but ultimately biodegradable.

Section 13: Disposal considerations

MATERIAL DISPOSAL:	Wastes are toxic. Improper disposal of excess material, spray mixture or rinsate is not recommended. If these wastes cannot be disposed of by use according to label instructions, contact your Environmental Control Agency or Hazardous Waste representative for guidance. Dispose in accordance with applicable Federal, State and local regulations. Product wastes must be handled and managed as Hazardous Waste and treated before disposal in an approved landfill.
CONTAINER DISPOSAL:	Bulk Tanks: Triple rinse (or equivalent) and wash with appropriate cleaners before reusing.
TREATED WOOD DISPOSAL:	Wood which has been treated with this product should be discarded by burial or ordinary trash collection. Do not burn treated wood in an outdoor fire or in stoves or fireplaces because toxic chemicals may be produced as part of the smoke and ashes.

Section 14: Transport information

<ul style="list-style-type: none">. Land transport ADR/RID (cross-border). ADR/RID Class: 9 Miscellaneous dangerous substances and articles.. Hazard Index Number: 90. Substance Index Number: 3082. Packaging group: III. Label: 9. Designation of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Creosote)
<ul style="list-style-type: none">. Maritime transport IMDG:. UN Number: 3082. Label 9 + MP. IMDG Class: 9

<ul style="list-style-type: none">. Packaging group: III. EmS fire and spill codes: F-A, S-F. Marine pollutant: Yes (P). Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Creosote). Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Creosote)
<ul style="list-style-type: none">. Air transport ICAO-TI and IATA-DGR:. ICAO/IATA Class: 9. UN/ID Number: 3082. Label: 9. Packaging group: III. Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Creosote)

Section 15: Regulatory information

The product has been labeled in accordance with EC Directives / relevant national laws.

Code letter and hazard designation of product:

T Toxic

N Dangerous for the environment

Hazard-determining components of labeling:

Creosote

Risk phrases:

36/37/38 Irritating to eyes, respiratory system and skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Special designation of certain preparations:

For use in industrial installations or professional treatment only

16: Other health and safety information

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof Hippocampus OU (hereinafter "Company") makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Company be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

The purpose of this data sheet is to describe the product in terms of their safety requirements.

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable

for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

MSDS No.: 1

Date of issue: January 17, 2015

Label:

Creosote oil**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Creosote) UN 3082**

CAS No: 8001-58-9
 EU No: 648-101-00-4
 EINECS: 232-287-5
 HS Code: 27079100

DANGER

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Irritating to eyes, respiratory system and skin.

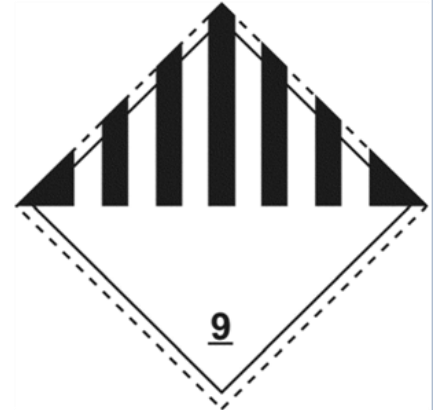


In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Avoid release to the environment. Refer to special instructions/safety data sheets.



Supplied by:
 HIPPOCAMPUS OU
 Tallinn, Estonia
 export@hippocampus.ee
 Emergency Tel: + 372 581 788 67

Net weight: 225 kg (+/-10%) /drum

Drum No. _____ of total _____

Country of destination: UGANDA

Re: Sales-Purchase Agreement: SPA-H-03-08/11/2016