

Pharmachem
Post Office Box 1304
EAGLE FARM BC QLD 4009
Telephone: (07) 3868 0333
Facsimile: (07) 3868 0344
ABN: 57 147 389 678



MATERIAL SAFETY DATA SHEET

This product is supplied by Pharmachem on the following conditions:

1. The Purchaser has not relied on the supplier's skill or judgement in relation to the purchase of the product.
2. Any person dealing with this product does so at his own risk absolutely.
3. The supplier is not liable for any damage, injury or loss whatsoever whether consequential or otherwise, or whether arising through negligence or otherwise in relation to the sale, purchase, supply, use, application or other dealing with this product.
4. The supplier's terms and conditions from time to time in force.

PRODUCT: <i>PINE TAR EU-636 PINE TAR, COMBUSTIBEL, HFP (I)</i> <i>IMMISCIBLE WITH WATER</i> <i>(Stockholm Tar)</i>	Mar 2014
<i>NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA</i>	

UN NO : None Allocated **D.G. CLASS:** None Allocated **CAS NO. :** 8011-48-1
HAZCHEM : No Data **SUB. RISK** : No Data **SUBSDP** : No Data
G.T. EPG : No Data **SPEC. EPG** : No Data **IMDG** : No Data
PACK. GRP : No Data

----- **PRODUCT IDENTIFICATION** -----

CORRECT SHIPPING NAME: COMBUSTIBLE LIQUID – CLASS C1
Flashpoint > 61°C - 150°C

OTHER NAMES: No Data

INGREDIENTS:

CHEMICAL ENTITY: Pine Tar
CAS NO: 8011-48-1

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE:

Blackish brown viscous liquid, translucent in thin layers, but becomes granular and opaque with age. Product has a characteristic empyreumatic, terebinthinate odour and sharp empyreumatic taste and is more dense than water.

----- continued on next page -----

MATERIAL SAFETY DATA SHEET

Pharmachem
P.O. Box 1304
EAGLE FARM BC QLD 4009

Telephone: (07) 3868 0333
Facsimile: (07) 3868 0344

Email : info@pharmachem.com.au

Page - 2 -

PRODUCT: <i>PINE TAR EU-636 PINE TAR, COMBUSTIBEL, HFP (I)</i> <i>IMMISCIBLE WITH WATER</i> <i>(Stockholm Tar)</i> <i>NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA</i>	MAR 2014
--	-----------------

PHYSICAL DESCRIPTION/PROPERTIES

BOILING POINT : 250°C
MELTING POINT : No Data
VAPOUR PRESSURE : No Data
VOLATILE COMPONENT : No Data
SPECIFIC GRAVITY : @ 20°C 0.98
FLASH POINT : 238°F / 114°C (open cup)
FLAMMABILITY LIMITS : No Data
EXPLOSIVE LIMITS : No Data
AUTOIGNITION TEMP : No Data
REL. VAPOR DENSITY : No Data
DECOMPOSITION TEMP : No Data
MOLECULAR WEIGHT : No Data
PH : No Data
FORM : Liquid

OTHER PROPERTIES:

Viscosity at 50°C 210cp
Moisture 0.0%
Volatile acids (acetic acid) 0.0%
Ash 0.4%
Solubility in benzol 99.6%
Acid No. 58
Copper 0.000%
Manganese 0.000%
Heat loss, 2 hours at 105°C 2%

USE:

Veterinary Especially packing of horses hooves.
Control of "Bloat" in ruminants.
Treatment of certain animal diseases.

Known since ancient times and was early recognised for its mild antiseptic properties and its ability to also protect wood and rope from decay.

----- continued on next page -----

MATERIAL SAFETY DATA SHEET

Pharmachem
P.O. Box 1304
EAGLE FARM BC QLD 4009

Telephone: (07) 3868 0333
Facsimile: (07) 3868 0344

Email : info@pharmachem.com.au

Page - 3 -

PRODUCT: <i>PINE TAR EU-636 PINE TAR, COMBUSTIBEL, HFP (I)</i> <i>IMMISCIBLE WITH WATER</i> <i>(Stockholm Tar)</i> <i>NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA</i>	MAR 2014
--	-----------------

USE - (continued)

Rubber and rubber reclamation – Processing aid and tackifier.

Other – Tar soaps and shampoos, skin disorder products. Cattle dips, tree surgery.

Ingredient in anti-fouling paints etc, for preservation of splint roofs, boats, barges, bridges, piers, cottages, etc. waterproofing and fishing nets, tarpaulins and timber, (particularly in or around sea water) and as a preservative in the oakum industry (Especially in Scandinavia).

----- HEALTH HAZARD INFORMATION -----

ACUTE EFFECTS:

SWALLOWED: No Data
EYE: No Data
SKIN: No Data
INHALED: Vapour may cause dizziness or suffocation in confined spaces.

CHRONIC EFFECTS: No data

FIRST AID

SWALLOWED: No Data
EYE: If eyes affected, hold open and flush with water continuously for at least 15 minutes. Seek medical attention.
SKIN: Remove contaminated clothing. Wash affected areas thoroughly with water and soap.
INHALED: Remove patient to fresh air, lay down, rest. If breathing undetectable, administer artificial resuscitation. Keep patient warm. Transport to hospital or doctor.

----- continued on next page -----

MATERIAL SAFETY DATA SHEET

Pharmachem
P.O. Box 1304
EAGLE FARM BC QLD 4009

Telephone: (07) 3868 0333
Facsimile: (07) 3868 0344

Email : info@pharmachem.com.au

Page - 4 -

PRODUCT: <i>PINE TAR EU-636 PINE TAR, COMBUSTIBEL, HFP (I)</i> <i>IMMISCIBLE WITH WATER</i> <i>(Stockholm Tar)</i> <i>NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA</i>	MAR 2014
--	-----------------

FIRST AID FACILITIES:

Identification:

Shake about 1ml of Pine tar with 10ml of water for 10 minutes, filter and add 1 drop of ferric chloride T.S. to filtrate: The mixture has a green colour which rapidly changes to brown.

Its solution is acid to litmus paper.

ADVICE TO DOCTOR: No Data

TOXICITY DATA:

Very little toxicity, if any.

----- PRECAUTIONS FOR USE -----

EXPOSURE STANDARDS: No Data

ENGINEERING CONTROLS: Use with adequate ventilation.

PERSONAL PROTECTION:

Skin sensitive people should wear protective gloves. Splashes into eyes should be avoided by wearing protective goggles.

FLAMMABILITY:

- Combustible.
- Will burn if involved in a fire but not considered to be a significant fire risk.
- Keep away from heat, sparks or naked flames.
- Heating may cause explosion

ENVIRONMENT: No hazards – Biodegradable.

----- continued on next page -----

MATERIAL SAFETY DATA SHEET

Pharmachem
P.O. Box 1304
EAGLE FARM BC QLD 4009

Telephone: (07) 3868 0333
Facsimile: (07) 3868 0344

Email : info@pharmachem.com.au

Page - 5 -

PRODUCT: <i>PINE TAR EU-636 PINE TAR, COMBUSTIBEL, HFP (I)</i> <i>IMMISCIBLE WITH WATER</i> <i>(Stockholm Tar)</i> <i>NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA</i>	MAR 2014
--	-----------------

----- **SAFE HANDLING INFORMATION** -----

STORAGE AND TRANSPORT:

Store away from flammable liquids, boilers, and under cover from direct Australian Summer sun. Do not stow near any sources of heat, or external walls exposed to heat. Drums may deform or rupture with the natural internal pressure build up due to heat from the sun, or boilers etc.

PACKAGING AND LABELLING:

5.9.3
K7. 1a
200kg nett drums

SPILLS AND DISPOSAL:

Avoid breathing of vapour and contact with skin and eyes. Absorb with sand or other non-combustible material. Prevent spillage from entering drains by banking with sand or earth.

FIRE / EXPLOSION HAZARD:

Heating likely to cause violent rupture of containers, and to liberate irritating poisonous gasses. If isolated from other flammable goods, will not readily ignite, but will burn fiercely once in an in-fire situation. Containers should be kept cool with water spray.

Reactivity Data:

None known.

----- **OTHER INFORMATION** -----

----- continued on next page -----

MATERIAL SAFETY DATA SHEET

Pharmachem
P.O. Box 1304
EAGLE FARM BC QLD 4009

Telephone: (07) 3868 0333
Facsimile: (07) 3868 0344

Email : info@pharmachem.com.au

Page - 6 -

PRODUCT: <i>PINE TAR EU-636 PINE TAR, COMBUSTIBEL, HFP (I)</i> <i>IMMISCIBLE WITH WATER</i> <i>(Stockholm Tar)</i> <i>NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA</i>	MAR 2014
--	-----------------

TECHNICAL DATA:

Chief constituents are volatile terpene oils, neutral oils of high boiling point and high solvency resins and fatty acids. The proportion of these constituents varies throughout the differing grades of tar, also according to the tree species, age, and part of the tree used, type of carbonisation oven etc.

Pine Tar is almost completely soluble in alcohol, and chloroform and almost completely compatible with fatty oils, liquid paraffin and molten petrolatum.

Soluble in warm dilute NaOH, mineral or vegetable turpentine, ether, chloroform and alcohol (90%).

Pine tar is miscible with alcohol, ether, chloroform, glacial acetic acid and with fixed and volatile oils.

ADDITIONAL DATA:

NOTE: Pine Tar EU-636 by virtue of its high flash point I.E. > 61°C (141.8°F) is as such not a flammable liquid pursuant to the regulations stated in the Australian Dangerous Goods Code. It is however a combustible liquid. In respect to storage (AS1940-1988) Pine Tar EU-636 is a Class 3.3 combustible liquid, its flash point being typically 100°C (212°F) and below 150°C (302°F).

CONTACT POINT:

Pharmachem
Poisons Information Centre

(07) 3868 0333
13 11 26

The data provided herein is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the product in terms of its safety requirements. The data does not signify any warranty with regard to the properties or end use or handling of the product. All information is provided in good faith but without warranty.

----- **END** -----