

## 1. IDENTIFICATION OF THE SUBSTANCE/MITURE AND OF THE COMPANY

- 1.1 Product name : Hermopal
- 1.2 Relevant use : Coating for metal  
Discouraged use : Use by consumers
- 1.3 Name and address of manufacturer : Hermadix Agro BV, P.O. Box 5, NL- 1430 AA Aalsmeer, The Netherlands
- 1.4 Emergency phone number : Hermadix Agro BV, phone: +31 (0)20-6534125  
(only during office hours)  
Dutch National Poisoning Information Centre, Phone.: +31 (0)30-2748888  
(Only for professional first-aid personnel in case of acute poisoning)

## 2. HAZARDS IDENTIFICATION

- 2.1 According to EG regulations, this product has to be considered as a mixture.  
Classification according to EG-Regulation 272/2008 CLP/GHS  
Not applicable
- 2.2 Labelling  
Danger symbol: Not applicable  
Signal word: Not applicable  
  
Danger phrases: Not applicable  
  
Prevention:  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
P270 - Do not eat, drink or smoke when using this product.  
  
Reaction:  
P314 - Get Medical advice/attention if you feel unwell  
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P302 + P352 + P362 + P364 - IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash before Reuse.  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P305 + P351 + P338 - IF IN EYES: Rinse continuously 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  
  
Storage  
P233 – Keep container tightly closed.  
P234 – Keep only in original container.
- 2.3 Other dangers  
Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Not applicable
- 3.2 The product is a mixture.

Name of ingredient	Identification numbers	Concentration	Classification ingredient
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, aromates (2-25%)	919-164-8	>20<30%	STOT RE 1; H372 ASP Tox 1; H304 Aquat.chron 3;H412 EUH066

## 4. FIRST AID MEASURES

- 4.1 General : Seek medical attention if feeling unwell.  
 Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 Skin contact : Remove contaminated clothing. Wash skin with plenty of water and soap. Launder clothing before re-use. If skin irritation persists: seek medical attention.  
 Eye contact : Rinse carefully with water during several minutes. Remove contact lenses, if possible. Keep rinsing. Of eye irritation persists: seek medical attention.  
 Ingestion : Rinse mouth. Do NOT induce vomiting. Seek medical attention when feeling unwell.

4.2 Causes skin irritation. Causes eye irritation.

4.3 If irritation of eyes or skin persist, seek medical attention and show product label or this material safety data sheet.

## 5. FIREFIGHTING MEASURES

- 5.1 Suitable extinguishing media : Water spray, carbon dioxide, foam and dry extinguishing media.  
 Unsuitable extinguishing media : Not applicable.  
 5.2 Recommendations : Suitable respiratory protection may be necessary. Cool containers which have been exposed to the fire down with water. Don't let extinguishing media enter the drain or surface water. For personal protection: see paragraph 8 of this document.  
 5.3 Protective equipment : In case of insufficient ventilation, wear suitable respiratory equipment.

## 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions : For personal precautions see paragraph 8  
 6.2 Environmental precautions : Prevent entering of the product in the drain or surface water.  
 6.3 Methods for containment and cleaning : Take up spillage with inflammable, absorbent material. Dispose as dangerous waste if product is not suitable for use.

## 7. HANDLING AND STORAGE

- 7.1 Handling : Avoid skin contact and contact with the eyes. Do not eat, smoke or drink during use of the product. Follow the appropriate safety and health regulations during work.  
 7.2 Storage : Keep container tightly closed. Keep only in original container.  
 7.3 Specific end-use : The mixture is suitable for coating of metal surfaces by professional end-users.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.2 Exposure limits : Hydrocarbons: MAC: 350 mg/m<sup>3</sup>  
 8.2 Measures to avoid exposure  
 Inhalation : Use suitable respiratory protection when the product is sprayed.  
 Hands : Suitability of the used gloves (permeability, material thickness) of protective gloves for a specific workplace has to be discussed with the supplier of the gloves.  
 For prolonged exposure, nitril rubber gloves are suitable.  
 Recommended material thickness: 0,38 mm  
 Permeability level: 480 min.  
 For protection against splashes, nitril rubber gloves are suitable.  
 Recommended material thickness: 0,38 mm  
 Permeability level: 480 min.  
 Eyes : Use safety goggles.  
 Skin : Avoid skin contact by using appropriate clothing.  
 General : End users are recommended to minimize skin contact by wearing appropriate clothing and minimizing inhalation of product spray.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance : Light grey or white fluid.  
 Odour : Characteristic  
 Density : approx. 1,25 g/cm<sup>3</sup>  
 Flash point : >61 °C.  
 pH : Not applicable.

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	:	The product reacts strongly with acids and basic agents.
10.2 Stability	:	The product is stable when stored according to paragraph 7
10.3 Reactions	:	Exposition to acids or basic agents causes a strong reaction.
10.4 Situations to avoid	:	Prevent exposition of the product to high temperatures.
10.5 Chemically interacting materials	:	Strong oxidizing agents.
10.6 Dangerous decomposition products	:	Carbon dioxide. Sulphur dioxide.

## 11. TOXICOLOGICAL INFORMATION

There are no known toxicological data on this preparation and its compounds. The data mentioned are the data of Hydrocarbonx, which is considered the most dangerous ingredient of the mixture. The following data is the Hydrocarbon in pure form, however, in this mixture, Hydrocarbons are only present in the concentration mentioned in paragraph 3. Following information is therefore no representation of the toxicology of the mixture.

### 11.1. Information on toxicological effects.

Acute toxicity	:	Hydrocarbons in pure form.
Inhalation	:	Inhalation may cause irritation of the respiratory system. Symptoms: coughing, shortage of breath.
Skin contact	:	Symptoms: red skin, irritation.
Ingestion	:	Symptoms: sore throat, stomach ache, vomiting, diarrhea
Hydrocarbons (LD50, rat, oral)	:	>15000 mg/kg
Skin corrosion/irritation	:	May cause skin irritation.
Severe eye damage/irritation	:	May cause eye irritation.
Dangers of inhalation	:	may cause irritation of the respiratory system.
Sensibilisation	:	Not applicable.
Carcinogenic effects	:	Not classified as carcinogenic.
Mutagenic effects	:	Not classified as mutagenic.
Toxic effects on reproduction	:	Not classified as reprotoxic.
Specific target organ toxicity (non-recurring exposure)	:	Human : Not classified for organ toxicity
Specific target organ toxicity (repeated exposure)	:	Human : Not classified for organ toxicity. Animals: no known effects.

## 12. ECOLOGICAL INFORMATION

There are no known ecological data on this preparation and its compounds. The data mentioned are the data of Hydrocarbons, which is considered the most dangerous ingredient of the mixture. The following data is Hydrocarbons in pure form, however, in this mixture, Hydrocarbons are only present in the concentration mentioned in paragraph 3. Following information is therefore no representation of the ecological toxicology of the mixture.

12.1. Ecotoxicity	:	Hydrocarbons:	LL50 (Fish, 96 u) : 10 -100 mg/l EL50 (Daphnia magna, 48 h) : 10 -22 mg/l
12.2. Persistence and biodegradability	:	Hydrocarbons:	Easily biodegradable
12.3. Bioaccumulation	:	Hydrocarbons:	Bioaccumulation : Not applicable
12.4. Mobility in the soil	:	Hydrocarbons:	Mobility : Dissolubility in water: not very good
12.5. PBT- en zPzB-evaluation	:	Hydrocarbons:	PBT/zPzB : No
12.6. Other harmful effects	:	Hydrocarbons:	WGK-class (DE) : 1 Waterbezwaarlijkheid (NL) : 9

## 13. DISPOSAL CONSIDERATIONS

Dispose the product rests and not empty containers as dangerous waste. When in doubt, follow the local regulations.

## 14. TRANSPORT INFORMATION

14.1 UN-number	:	not applicable
14.2 Proper shipping name	:	not applicable
14.3 Transport danger class	:	ADR: not applicable
14.4 Packing group	:	not applicable
14.5 Environmental hazards	:	not applicable
14.6 Special precautions	:	see paragraph 8 for personal protection

## 15. REGULATORY INFORMATION

This product is classified according to EG 1272/2008 (CLP).  
No chemical safety assessment has been carried out.

Date of last revision : 1st of June 2016 Version GHS 1.0  
Replaces version of : 6th of June 2012 Version DPD 1.0

Dangerous ingredients (for concentrations see paragraph 3)

Hydrocarbons (919-164-8)

At the moment of creation of this material safety data sheet there are no additional ingredients in the applicable concentration that, to the current knowledge of the manufacturer, are classified according EG 1272/2008.

## 16. OTHER INFORMATION

The information on this material safety data sheet is based on our knowledge at the moment of publication. The information is to be used as an aid to determine and manage the risks in an appropriate way while using the product. This information is not meant as a guarantee or quality specification. In case of using the product in combination with other substances or in an inappropriate way, the information in this material safety data sheet may not be fully applicable. The user is responsible to take precautionary measures for use and should be convinced that this information is appropriate and sufficient for the foreseen use of the product. In case of doubt, consult the manufacturer or a specialist.