

## Hranitherm 600.64

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Hranitherm 600.64

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Hot melt adhesives

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of product safety information sheet

##### Distributor

Hranipex Czech Republic k.s.  
J. Rýznerové 97, Komorovice  
CZ- 396 01 Humpolec  
Czech Republic  
T 565 501 210  
[help@ecomole.com](mailto:help@ecomole.com) - [www.hranipex.cz](http://www.hranipex.cz)

##### Supplier

Hranipex Ltd.  
Unit 2 Radial Park, Birmingham Business Park  
Birmingham, B37 7YN  
United Kingdom  
T 0121 767 9180 - F 0121 782 6250  
[hranipex@hranipex.co.uk](mailto:hranipex@hranipex.co.uk) - [www.hranipex.co.uk](http://www.hranipex.co.uk)

#### 1.4. Emergency telephone number

| Country        | Official advisory body  | Address   | Emergency number | Comment                           |
|----------------|---|---|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital                         | Dudley Road<br>B18 7QH Birmingham                                   | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Cardiff Centre)<br>University Hospital Llandough            | Penlan Road<br>CF64 2XX Llandough                                   | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Edinburgh Centre)<br>Royal Infirmary of Edinburgh           | Little France Crescent<br>EH16 4SA Edinburgh                        | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust     | Avonley Road<br>SE14 5ER London                                     | +44 20 7188 7188 |                                   |
| United Kingdom | National Poisons Information Service (Newcastle Centre)<br>Regional Drugs and Therapeutics Centre | 16/17 Framlington Place<br>Newcastle-upon-Tyne<br>NE2 4AB Newcastle | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Belfast Centre)<br>Royal Victoria Hospital                  | Grosvenor Road<br>BT12 6BA Belfast                                  | 0344 892 0111    | Only for healthcare professionals |

### SECTION 2: Hazards identification

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

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

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

**Hranitherm 600.64**

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

**2.3. Other hazards**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

**SECTION 4: First aid measures****4.1. Description of first aid measures**

|                                       |   |
|---------------------------------------|---|
| First-aid measures after inhalation   | : Remove person to fresh air and keep them warm and calm. Allow the victim to rest. If breathing is irregular or stopped, administer artificial respiration. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : In case the melted product gets on skin, cool immediately with cold water. Do not pull solidified product away from the skin. Cover wounds with sterile bandage. Call a physician immediately.      |
| First-aid measures after eye contact  | : Rinse eyes with plenty of cool water for at least 10 minutes while pulling eyelides up. If eye irritation persists, consult a specialist.   |
| First-aid measures after ingestion    | : Rinse mouth. Do not induce vomiting. Seek medical attention immediately.  |

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

No additional information available

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Extinguishing powder. Carbon dioxide. Foam. Water fog. |
| Unsuitable extinguishing media | : Not stated.  |

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

|  |   |
|--|---|
| Hazardous decomposition products in case of fire | : On burning: release of carbon monoxide - carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health. Do not breathe fumes from fires or vapours from decomposition. |
|--|---|

**5.3. Advice for firefighters**

|                             |   |
|-----------------------------|---|
| Precautionary measures fire | : Evacuate area. Do not breathe vapours.  |
| Firefighting instructions   | : Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment. |

## Hranitherm 600.64

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Normal equipment for firefighters i.e. fire kit (EN 469), gloves (EN 659) and boots (HO specification A29 and A30) in combination with breathing apparatus (EN 137).

### SECTION 6: Accidental release measures

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

General measures : Provide adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Spilled material may present a slipping hazard.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel. Do not touch or walk on the spilled product.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Do not allow product to spread into the environment.

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

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. If the leakage area is clean the product can be re-used. Dispose in a safe manner in accordance with local/national regulations.

#### 6.4. Reference to other sections

See Sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Avoid dust formation.  
 Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing.  
 Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Keep in properly labelled containers.  
 Storage conditions : Store in dry, cool, well-ventilated area. Keep away from heat and direct sunlight. Keep container closed when not in use. Store at room temperature.  
 Incompatible products : Strong acids, strong bases and strong oxidants.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2 Recommended monitoring procedures

No additional information available

**Hranitherm 600.64**

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

**8.1.3. Air contaminants formed**

No additional information available

**8.1.4. DNEL and PNEC**

No additional information available

**8.1.5. Control banding**

No additional information available

**8.2. Exposure controls****8.2.1. Appropriate engineering controls****Appropriate engineering controls:**

Provide local exhaust or general room ventilation.

**8.2.2. Personal protection equipment****8.2.2.1. Eye and face protection****Eye protection:**

Safety glasses with side shields. EN 166

**8.2.2.2. Skin protection****Skin and body protection:**

During handling at high temperatures : Long sleeved protective clothing. Category II. Safety footwear. EN ISO 20344

**Hand protection:**

Use insulated gloves when handling this material hot

**8.2.2.3. Respiratory protection****Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

**8.2.2.4. Thermal hazards**

No additional information available

**8.2.3. Environmental exposure controls****Environmental exposure controls:**

Avoid release to the environment.

**Other information:**

Do not eat, drink or smoke when using this product. Wash hands before break and at end of works.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                                       |                      |
|---------------------------------------|----------------------|
| Physical state                        | : Solid              |
| Colour                                | : Beige.             |
| Appearance                            | : Granulate.         |
| Odour                                 | : Not available      |
| Odour threshold                       | : Not available      |
| Melting point                         | : > 90 °C            |
| Freezing point                        | : Not applicable     |
| Boiling point                         | : Not available      |
| Flammability                          | : Non flammable.     |
| Explosive properties                  | : Not explosive.     |
| It does not have oxidising properties | : No data available. |
| Explosion limits                      | : Not applicable     |
| Lower explosion limit                 | : Not applicable     |
| Upper explosion limit                 | : Not applicable     |
| Flash point                           | : Not applicable     |
| Auto-ignition temperature             | : Not applicable     |
| Decomposition temperature             | : Not available      |
| pH                                    | : Not available      |

**Hranitherm 600.64**

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

|   |                          |
|---|--------------------------|
| pH solution                                     | : Not available          |
| Viscosity, kinematic                            | : Not applicable         |
| Solubility                                      | : Insoluble in water.    |
| Partition coefficient n-octanol/water (Log Kow) | : Not available          |
| Vapour pressure                                 | : Not available          |
| Vapour pressure at 50 °C                        | : Not available          |
| Density   | : 1.35 g/cm <sup>3</sup> |
| Relative density                                | : Not applicable         |
| Relative vapour density at 20 °C                | : Not applicable         |
| Particle size                                   | : Not available          |
| Particle size distribution                      | : Not available          |
| Particle shape                                  | : Not available          |
| Particle aspect ratio                           | : Not available          |
| Particle aggregation state                      | : Not available          |
| Particle agglomeration state                    | : Not available          |
| Particle specific surface area                  | : Not available          |
| Particle dustiness                              | : Not available          |

**9.2. Other information****9.2.1. Information with regard to physical hazard classes**

No additional information available

**9.2.2. Other safety characteristics**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known under normal conditions of use.

**10.4. Conditions to avoid**

None under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials**

Strong oxidizing agent. Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

|                                   |   |
|-----------------------------------|---|
| Acute toxicity (oral)             | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal)           | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation)       | : Not classified (Based on available data, the classification criteria are not met) |
| Skin corrosion/irritation         | : Not classified (Based on available data, the classification criteria are not met) |
| Serious eye damage/irritation     | : Not classified (Based on available data, the classification criteria are not met) |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity            | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity                   | : Not classified (Based on available data, the classification criteria are not met) |

## Hranitherm 600.64

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

|                        |   |
|------------------------|---|
| Reproductive toxicity  | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure   | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard      | : Not classified (Based on available data, the classification criteria are not met) |

### Hranitherm 600.64

|                      |                |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |
|----------------------|----------------|

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

|  |  |
|--|--|
| Adverse health effects caused by endocrine disrupting properties | : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % |
|--|--|

### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met) |

### 12.2. Persistence and degradability

#### Hranitherm 600.64

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### 12.3. Bioaccumulative potential

#### Hranitherm 600.64

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### 12.4. Mobility in soil

#### Hranitherm 600.64

|                |                  |
|----------------|------------------|
| Ecology - soil | Not established. |
|----------------|------------------|

### 12.5. Results of PBT and vPvB assessment

#### Hranitherm 600.64

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

|  |  |
|--|--|
| Adverse effects on the environment caused by endocrine disrupting properties | : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % |
|--|--|

## Hranitherm 600.64

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

### 12.7. Other adverse effects

Other adverse effects : Not stated.  
Additional information : No other effects known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Re-use, when possible. Collect all waste in suitable and labelled containers and dispose according to local legislation.  
Sewage disposal recommendations : Do not dispose of waste into sewer.  
Product/Packaging disposal recommendations : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |                |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## Hranitherm 600.64

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP)

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

##### 15.1.2. National regulations

###### United Kingdom

British National Regulations

: Regulation (EC) No 1013/2006 of the European Parliament and of the Council on shipments of waste, in the valid wording.

UK REACH.

GB CLP.

UK Waste Regulations.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item   | Change   | Comments |
|                       | Supersedes   | Added    |          |
|                       | Revision date  | Added    |          |
|                       | Adverse health effects caused by endocrine disrupting properties             | Added    |          |
| 3                     | Composition/information on ingredients                                       | Modified |          |
| 4.1                   | First-aid measures after ingestion   | Modified |          |
| 8.2                   | Hand protection  | Modified |          |
| 8.2                   | Skin and body protection   | Modified |          |
| 9.1                   | Density  | Added    |          |
| 9.1                   | Colour   | Modified |          |
| 10.6                  | Hazardous decomposition products   | Modified |          |
| 12.6                  | Adverse effects on the environment caused by endocrine disrupting properties | Added    |          |

## Hranitherm 600.64

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Issue date: 26/06/2017

Revision date: 13/03/2022

Supersedes version of: 26/06/2017

Version: 2.0

### Indication of changes

| Section | Changed item    | Change   | Comments |
|---------|-----------------|----------|----------|
| 16      | Training advice | Modified |          |
| 16      | Data sources    | Modified |          |

### Abbreviations and acronyms:

|       |   |
|-------|---|
| ADN   | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways   |
| ADR   | European Agreement concerning the International Carriage of Dangerous Goods by Road               |
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| EC50  | Median effective concentration  |
| LC50  | Median lethal concentration   |
| LD50  | Median lethal dose  |
| PBT   | Persistent Bioaccumulative Toxic  |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| SDS   | Safety Data Sheet   |
| vPvB  | Very Persistent and Very Bioaccumulative  |
| DNEL  | Derived-No Effect Level   |
| IATA  | International Air Transport Association   |
| IARC  | International Agency for Research on Cancer   |
| LOAEL | Lowest Observed Adverse Effect Level  |
| PNEC  | Predicted No-Effect Concentration   |

|                 |  |
|-----------------|--|
| Data sources    | : ECHA Guidance on the compilation of safety data sheets<br>ECHA C&L Inventory database.<br>Supplier's safety documents. |
| Training advice | : Normal use of this product shall imply use in accordance with the instructions on the packaging.                       |