

Hranitherm 600.70 colourless, Hranitherm 600.71 white, Hranitherm 600.79 black

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

Issue date: 6/15/2019

Revision date: 10/14/2020

Supersedes version of: 6/15/2019

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 600.70 colourless, Hranitherm 600.71 white, Hranitherm 600.79 black

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 the safety data sheet

Distributor

Hranipex Czech Republic k.s.
J. Rýznerové 97, Komorovice
396 01 Humpolec - Czech Republic
T 565 501 210
help@ecomole.com - 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 - 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) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

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Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

Other hazards not contributing to the classification : The product does not meet the PBT and vPvB classification criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
vinyl acetate	(CAS-No.) 108-05-4 (EC-No.) 203-545-4 (EC Index-No.) 607-023-00-0 (REACH-no) 01-2119471301-50	0.2 – 0.3	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT SE 3, H335

Comments : Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep them warm and calm. Allow the victim to rest. If you feel unwell, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

First-aid measures after skin contact : In case the melted product gets on skin, cool immediately with cold water. . Do not remove solidified product 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.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water fog. Foam. Carbon dioxide. extinguishing powder.
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. acetic acid. 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.
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).
Other information : High temperature decomposition products are harmful by inhalation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure 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.
Other information : Ensure adequate ventilation.

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.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep in properly labelled containers.
Storage conditions	: Keep container tightly closed in a cool, well-ventilated place. Store away from direct sunlight or other heat sources. Keep container closed when not in use. Store at room temperature.
Incompatible products	: Strong acids, strong bases and strong oxidants. reducing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

vinyl acetate (108-05-4)

EU - Occupational Exposure Limits

Local name	Vinyl acetate
IOELV TWA (mg/m ³)	17.6 mg/m ³
IOELV TWA (ppm)	5 ppm
IOELV STEL (mg/m ³)	35.2 mg/m ³
IOELV STEL (ppm)	10 ppm

United Kingdom - Occupational Exposure Limits

Local name	Vinyl acetate
WEL TWA (mg/m ³)	17.6 mg/m ³
WEL TWA (ppm)	5 ppm
WEL STEL (mg/m ³)	35.2 mg/m ³
WEL STEL [ppm]	10 ppm
Regulatory reference	EH40/2005 (Third edition, 2018). HSE

vinyl acetate (108-05-4)

DNEL/DMEL (Workers)

Acute - systemic effects, inhalation	35.2 mg/m ³
Acute - local effects, inhalation	35.2 mg/m ³
Long-term - systemic effects, dermal	0.42 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	17.6 mg/m ³
Long-term - local effects, inhalation	17.6 mg/m ³

PNEC (Water)

PNEC aqua (freshwater)	16 mg/l
PNEC aqua (marine water)	16 mg/l
PNEC aqua (intermittent, freshwater)	126 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	67 mg/kg dwt
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PNEC (Soil)

PNEC soil	35 mg/kg dwt
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PNEC (STP)

PNEC sewage treatment plant	6 mg/l
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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Not required for normal conditions of use. Use insulated gloves when handling this material hot

Eye protection:

Wear tight fitting safety glasses or facial screen. EN 166

Skin and body protection:

Not required. During handling at high temperatures : Long sleeved protective clothing. Safety footwear. Category II. EN 20344

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. In case of vapour formation use adequate respirator. EN 137

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
Appearance	: Granulate.
Colour	: Colourless. white. black
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 102 °C
Freezing point	: Not applicable
Boiling point	: > 300 °C
Flash point	: > 220 °C Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: > 220 °C
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Density	: 1200 kg/l
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
It does not have oxidising properties	: No data available.
Explosion limits	: Not applicable

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9.2. Other information

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 acids, strong bases and oxidation agents, reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Upon heating, toxic fumes are formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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)

vinyl acetate (108-05-4)	
LD50 oral rat	300 mg/kg
LD50 dermal rabbit	7440 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	15810 mg/l/4h

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)

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)

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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)

vinyl acetate (108-05-4)

NOEC chronic fish	16 mg/l Pimephales promelas; OECD 210
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12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

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Ecology - soil	Not established.
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12.5. Results of PBT and vPvB assessment

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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. 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.
- European List of Waste (LoW) code : 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: Transport information

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

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ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
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. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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)

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

Reference code	Applicable on
3(a)	vinyl acetate
3(b)	vinyl acetate
40.	vinyl acetate

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

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)

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15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Added	
3	Composition/information on ingredients	Modified	
5.2	Hazardous decomposition products in case of fire	Modified	
6.3	Other information	Added	
7.2	Incompatible products	Modified	
7.2	Storage conditions	Modified	
8.2	Hand protection	Modified	
8.2	Eye protection	Modified	
8.2	Skin and body protection	Modified	
10.5	Incompatible materials	Modified	

Abbreviations and acronyms:

REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
LD50	Median lethal dose
LC50	Median lethal concentration
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
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
IATA	International Air Transport Association
ATE	Acute Toxicity Estimate
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
LOAEL	Lowest Observed Adverse Effect Level
DNEL	Derived-No Effect Level

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Data sources	: 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). Dissemination portal ECHA https://echa.europa.eu/cs/search-for-chemicals . SDS Unibord 607M white, Date 05.10.2020, Version 1.
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: SDS was treated by EcoMole LTD. www.ecomole.com .

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

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.