

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking**1.1 Product Identifier:****Trade name: Heating Tube Paint 1225****1.2 Relevant identified uses of the substance or mixture and uses advised against:****Product category:** PC9a Coatings and paints, thinners, paint removers**Application of the substance / the mixture:** Professional use only**1.3 Details of the supplier of the safety data sheet:****Manufacturer / Importer / Supplier:**HBV Coatings BV
Snoekbaars 1
2295 HJ KWINTSHEUL
Tel.: +31 (0)174-622455
Fax.: +31 (0)174-626473
info@hbvcoatings.nl
www.hbvcoatings.nl**Further information obtainable from:** Product safety department.**1.4 Emergency telephone number:**

NL - National Poison Information Centre (NVIC) tel.: +31 (0) 30 274 8888. (Only available for a practicing doctor in case of accidental poisoning. Only for professional rescuers.)

SECTION 2: Hazards Identification**2.1 Classification of the substance or mixture:****Classification according to Regulation (EC) No 1272/2008:**

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements:**Labelling according to Regulation (EC) No 1272/2008:**

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms: GHS02, GHS08**Signal word:** Danger**Hazard-determining components of labelling:**

Hydrocarbons, C9-C12, n-alkanes, iso alkanes, cyclic, aromatics (2-25%)

Naphtha (petroleum), hydrotreated heavy

Hazard statements:

H226 Flammable liquid and vapour.

H372 Causes damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains 2-butanone oxime. May produce an allergic reaction.

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2.3 Other hazards:**Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/Information on Ingredients

3.2 Chemical characterisation: Mixtures:**Description:** Mixture: consisting of the following components.

Components:		
Polymer	Polymer blend	25-50%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336	10-25%
EC number: 919-446-0 Reg.nr.: 01-2119458049-33	Hydrocarbons, C9-C12, n-alkanes, iso alkanes, cyclic, aromatics (2-25%) ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	10-25%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide	10-25%
CAS: 1317-65-3 EINECS: 215-279-6	Calciumcarbonate	5-15%
CAS: 92704-41-1	Calcined Kaolin	5-15%
	CALCIUM / MAGNESIUM CARBONATE	5-15%
CAS: 8002-43-5	Lecithine	<1%
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂)	< 1.0%
CAS: 136-51-6 EINECS: 205-249-0	calcium bis(2-ethylhexanoate)	< 1.0%
CAS: 22464-99-9	2-ETHYLHEXAAN ZUUR, ZIRKONIUM ZOUT ⚠ Repr. 1A, H360D	< 1.0%
CAS: 136-52-7 EINECS: 205-250-6	cobalt bis(2-ethylhexanoate) ⚠ Acute Tox. 4, H302	< 1.0%
CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0	2-butanone oxime ⚠ Carc. 2, H351; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H312; Skin Sens. 1, H317	< 1.0%

Additional information: For the wording of the listed hazard phrases See section 16.

SECTION 4: First Aid Measures

4.1 Description of first aid measures:**General information:**

Seek medical treatment.

Never give anything by mouth to an unconscious person.

After inhalation:

If breathing is irregular or stopped, administer artificial respiration.

Seek immediate medical advice.

After skin contact:

Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).

After eye contact:

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.

If possible, remove contact lenses.

After ingestion:

Do not induce vomiting; call for medical help immediately.

Rinse mouth and drink 2 glasses of water.

4.2 Most important symptoms and effects, both acute and delayed:

Sore throat

Coughing

Headache

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Dizziness
Gastric or intestinal disorders
Unconsciousness

4.3 Indication of any immediate medical attention and special treatment needed:

Medical supervision for at least 48 hours.
After ingestion of the liquid, droplets of the product may enter the lungs (aspiration), whereby pneumonia can occur.

SECTION 5: Firefighting Measures

5.1 Extinguishing media:

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents:

Water
Water with full jet

5.2 Special hazards arising from the substance or mixture: No further relevant information available.

5.3 Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Cool endangered tanks with water spray.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling:

Be careful: SKIN EXPOSURE! STRICT HYGIENE!

Avoid exposure of (pregnant) women!

Avoid inhalation of vapors and contact with eyes, skin and clothing.

Do not eat, drink or smoke while working.

In the immediate vicinity of any potential exposure source, eye wash stations and emergency showers should be available.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire and explosion protection:

Vapors are heavier than air, can cover long distances along the ground from their source before ignite or explode.

Use explosion-proof apparatus / fittings and spark-proof tools.

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities:**Storage:****Requirements to be met by storerooms and tanks:**

All hazardous products must be placed above a sump pallet.

Store only in the original receptacle.

Information about storage in one common storage facility: Store away from oxidising agents.

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Further information about storage conditions:

Keep container tightly sealed.
Protect from heat and direct sunlight.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure Controls/Personal Protection

Additional information about design of technical facilities: No further data; see section 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

Hydrocarbons, C9-C12, n-alkanes, iso alkanes, cyclic, aromatics (2-25%)

RCP - TWA (EU)	Short-term value: 600 mg/m ³
	Long-term value: 300 mg/m ³

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Respiratory protection:

Filter A

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves:

PVA gloves
Laminate LCP film
Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

Breakthrough time >20' - Thickness >0.45mm

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR
Fluorocarbon rubber (Viton)
PVA gloves

Eye protection:



Tightly sealed goggles

Body protection: Anti-static clothing

Limitation and supervision of exposure into the environment: Prevent spills from reaching surface waters or soil.

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SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

General Information:

Appearance:

Form:	Viscous
Colour:	Various colours
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	180 °C

Flash point: >40 °C

Flammability (solid, gaseous): Not applicable.

Ignition temperature: > 200 °C

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	0.6 Vol %
Upper:	7.0 Vol %

Vapour pressure at 20 °C: 3.7 hPa

Density at 20 °C:	1.1 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.

Solubility in / Miscibility with:

Water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic:	Not determined.
Kinematic at 20 °C:	40 s (DIN-Cup 6mm-ISO 2431:1993)

Solvent content:

VOC (EU, 1999/13/EC) 360 g/l

Solids content: Not determined

9.2 Other information: No further relevant information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity: Reacts violently with oxidizing agents, strong acids and strong bases.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

Forms explosive gas mixture with air.
The intense movement can cause an electrostatic charge.

10.4 Conditions to avoid:

Direct sunlight
Heat
Sparks-Open fire

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10.5 Incompatible materials:

- Oxidising Agents
- Strong acids
- Strong bases

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

SECTION 11: Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Inhalative	LC50/4 h	35.8 mg/l (Rat)
Hydrocarbons, C9-C12, n-alkanes, iso alkanes, cyclic, aromatics (2-25%)		
Oral	LD50	>5000 mg/kg (Rat)
Dermal	LD50	3400 mg/kg (rbt)
Inhalative	LC50/4 h	13.1 mg/l (Rat)
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg (Rat)
Dermal	LD50	>3160 mg/kg (Rabbit)
96-29-7 2-butanone oxime		
Oral	LD50	3700 mg/kg (Rat)
Dermal	LD50	200-2000 mg/kg (Rat)
Inhalative	LC50/4 h	20 mg/l (Rat)

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

CMR effects (carcinogenic, mutagenic and reprotoxic):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reprotoxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard:

May be fatal if swallowed and enters airways.

SECTION 12: Ecological Information

12.1 Toxicity:

Aquatic toxicity:	
Hydrocarbons, C9-C12, n-alkanes, iso alkanes, cyclic, aromatics (2-25%)	
LC50/96h	10-30 mg/l (Oncorhynchus mykiss)
EC50/48h	10-22 mg/l (Daphnia Magna)
EC50/72h	4.6-10 mg/l (Pseudokirchneriella subcapitata)
64742-48-9 Naphtha (petroleum), hydrotreated heavy	
LC50/96h	2200 mg/l (Pimephales promelas)
EC50/48h	2.6 mg/l (Chaetogammarus marinus)

12.2 Persistence and degradability: Easily biodegradable

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Ecotoxic effects:

Remark: Harmful to fish

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Additional ecological information:

General notes:

Harmful to aquatic organisms

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods:

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

European waste catalogue:

The European waste catalogue classification of this product, when disposed as waste is:

08 01 11

Contaminated packaging:

Recommendation:

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning by a licensed recycling company.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport Information

14.1 UN-Number:

ADR,RID,ADN, IMDG, IATA

UN1263

14.2 UN proper shipping name:

ADR/RID/ADN:

1263 PAINT, special provision 640E

IMDG, IATA

PAINT

14.3 Transport hazard class(es):

ADR/RID/ADN:



Class:

3 (F1) Flammable liquids.

Label:

3

IMDG, IATA



Class:

3 Flammable liquids.

Label:

3

14.4 Packing group:

ADR,RID,ADN, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user:

Warning: Flammable liquids.

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Danger code (Kemler):	30
EMS Number:	F-E, S-E
Stowage Category	A
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.	
Transport/Additional information:	
ADR/RID/ADN:	
Limited quantities (LQ):	5L
Excepted quantities (EQ):	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category:	3
Tunnel restriction code:	D/E
Remarks:	Packaging ≤ 450L: No ADR according 2.2.3.1.5
IMDG:	
Limited quantities (LQ):	5L
Excepted quantities (EQ):	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Remarks:	Packaging ≤ 30 l: No IMDG acc. 2.3.2.5. Transport in accordance with 2.3.2.5 of the IMDG Code.
UN "Model Regulation":	UN 1263 PAINT, SPECIAL PROVISION 640E, 3, III

SECTION 15: Regulatory Information

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

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: None of the ingredients are listed.

Seveso category: P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements: 5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements: 50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3

National regulations:

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information

This information is based on our present knowledge. This shall not constitute a guarantee for any properties of the product and shall not establish a legally valid contractual relationship.

Relevant phrases:

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H360D May damage the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

Training hints: Take care of good information, instruction and training for users.

Department issuing SDS: Environment protection department.

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Abbreviations and acronyms:

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (Division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
EC50: Effective Concentration, 50 percent
IOELVS: Indicative Occupational Exposure Limit Values
mPa.s: milliPascal per second
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
Repr. 1A: Reproductive toxicity – Category 1A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

References:

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)
See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Revisions were made in sections marked with *.

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