

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Trade name : H-T Paintstik® Black

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Industrial use, Professional use  
Use of the substance/mixture : Marking.

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

LA-CO Industries Europe S.A.S.  
Parc Industriel de la Plaine de  
l'Ain - Allée des Combes.  
01150.BLYES.France.  
Phone: +33 (0)4 74 46 23 23  
Fax: +33 (0)4 74 46 23 29  
E-mail: info@eu.laco.com  
Web: http://www.markal.com

**1.4. Emergency telephone number**

Emergency number : 24-hour emergency: CHEMTREC- U.S. : 1-800-424-9300 International: +1-703-527-3887

EU Member State	Officieel adviesorgaan	Adres	Noodnummer
AUSTRIA	Vergiftungsinformationszentrale (Poisons Information Centre)	Allgemeines Krankenhaus Waehringer Geurtel 18-20 1090 Wien	+43 1 406 43 43
BELARUS	The Belarus Republican Poisons Centre	Kizhevatova str. 58 220115 Minsk	+375 (0)17 201 9158
BELGIUM	Centre Anti-Poisons/Antigifocentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245
BULGARIA	Национален токсикологичен информационен център National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov"	21 Tottleben Boulevard 1606 SOFIA	+359 2 9154 409
CROATIA	Poisons Control Centre Institute of Medical Research & Occupational Health	Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb	+385 1 234 8342
CZECH REPUBLIC	Toxikologické informační středisko Clinic For Occupational Medicine, 1st Medical Faculty, Charles University	Na Bojišti 1 120 00 Praha 2	+42 2 2491 9293 +42 2 2491 5402
DENMARK	Gifflinjen Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 København NV	+45 82 12 12 12 +45 35 31 55 55
ESTONIA	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	+372 626 93 90
FINLAND	Myrkytystietokeskus	P.O.B 340 (Haartmaninkatu 4) HUS SF - 00029 Helsinki	+358 9 471 977
FRANCE	ORFILA		+33 1 45 42 59 59
GERMANY	Berliner Betrieb für Zentrale Gesundheitliche Aufgaben	Oranienburger Strasse 285 13437 Berlin	+49 30 19240
GERMANY	Informations und Beratungszentrum für Vergiftungsfälle	Kirrberger Straße, Gebäude 9 D-66421 Homburg/Saar	+49 6841 19240
GERMANY	Beratungstelle bei Vergiftungen, Klinische Toxikologie und Beratungsstelle bei Vergiftungen	Langenbeckstrasse 1 55131 Mainz	+49 6131 19240
GREECE	Poisons Information Centre	11527 Athens	+30 10 779 3777
HUNGARY	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)	1437 Budapest PO Box 839 1097 Budapest, Nagyvárad tér 2	+36 80 20 11 99
ICELAND	Eitrunarmiðstöðin	Eitrunarmiðstöðin 108 Reykjavik	+354 543 22 22
IRELAND	National Poisons Information Centre	Beaumont Hospital PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2166

# H-T Paintstik® Black

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

LATVIA	Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs	2 Hipocrate Street LV 1038 Riga	+371 67 04 24 73
LITHUANIA	Apsinuodijimų kontrolės ir informacijos biuras	Siltnamiu 29 2043 Vilnius	+370 5 236 20 52/+370 687 53 378
MALTA	Medicines & Poisons Info Office	Mater Dei Hospital, Msida MSD 2090 Malta	25450000
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum National Institute for Public Health and the Environment, NB this service is only available to health professionals	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
PORTUGAL	Centro de Informação Antivenenos Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	808 250 143 (for use only in Portugal), +351 21 330 3284
ROMANIA	Biroul pentru Regulamentul Sanitar International si Informare Toxicologica	Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 50463 Bucuresti	+40 21 318 36 06
SLOVAKIA	Národné toxikologické informačné centrum University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SPAIN	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	+34 91 562 04 20
SWEDEN	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	+46 8 33 12 31 (International) 112 (National)
SWITZERLAND	Centre Suisse d'Information Toxicologique	Freiestrasse 16 Postfach CH-8028 Zurich	+41 44 251 51 51 (International) 145 (National)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H319

Skin Sens. 1 H317

Carc. 1A H350

Aquatic Chronic 3 H412

Full text of classification categories and H statements : see section 16

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

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) :

Danger

Hazardous ingredients :

Silicon dioxide (cristobalite)

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H350 - May cause cancer  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P261 - Avoid breathing dust, fume  
P264 - Wash hands thoroughly after handling  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P273 - Avoid release to the environment  
P280 - Wear eye protection, protective gloves  
P302+P352 - IF ON SKIN: Wash with plenty of water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 - IF exposed or concerned: Get medical advice/attention  
P321 - Specific treatment (see First aid measures on this label)  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P405 - Store locked up

# H-T Paintstik® Black

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Unknown acute toxicity (CLP: Classification, Labelling, Packaging.) - SDS : P501 - Dispose of contents/container to an authorised waste collection point  
: 0.96% of the mixture consists of ingredient(s) of unknown acute oral toxicity  
0.96% of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
0.96% percent of the mixture consists of ingredient(s) of unknown acute inhalation (dust/mist) toxicity

### 2.3. Other hazards

PBT: not yet assessed

vPvB: not yet assessed

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Comments : Only component with health hazards above the applicable thresholds and/or Exposure Limit values are shown.

Exact concentrations are withheld as trade secret.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Graphite	(CAS No) 7782-42-5 (EC no) 231-955-3	10 – 20	Not classified
Silicon dioxide (cristobalite)	(CAS No) 14808-60-7 (EC no) 238-878-4	0 – 1	Carc. 1A, H350i
2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate	(CAS No) 9014-85-1 (EC no) 500-022-5	0.1 – 1	Eye Dam. 1, H318 Aquatic Chronic 3, H412
2,4,7,9-tetramethyldec-5-yne-4,7-diol	(CAS No) 126-86-3 (EC no) 204-809-1	0.1 – 1	Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Polyethylene Glycol	(CAS No) 25322-68-3 (EC no) 500-038-2	< 0.1	Not classified

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

Symptoms/injuries after inhalation : May cause cancer by inhalation.

Symptoms/injuries after skin contact : May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes serious eye irritation.

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

All treatments should be based on observed signs and symptoms of distress in the patient.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water fog.

Unsuitable extinguishing media : None known.

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

Fire hazard : No particular fire or explosion hazard.

### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus. Wear fire/flame resistant/retardant clothing. EN469.

# H-T Paintstik® Black

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### SECTION 6: Accidental release measures

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

General measures : Avoid creating or spreading dust.

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

Protective equipment : Chemical goggles or safety glasses. Wear suitable gloves.

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Chemical goggles or safety glasses. Wear suitable gloves.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains or the environment.

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

For containment : Contain and collect as any solid.

Methods for cleaning up : On land, sweep or shovel into suitable containers.

#### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing dust, fume. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash your hands immediately after handling this product, and once again before leaving the workplace.

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

Incompatible products : Bases. acid. Strong oxidizers.

Incompatible materials : Sources of ignition.

Heat and ignition sources : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Incompatible materials.

Storage area : Store in dry, cool, well-ventilated area.

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

Marking.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Silicon dioxide (cristobalite) (14808-60-7)		
Austria	MAK (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup>
Austria	Remark (AT)	(alveolengängige Fraktion; Jahres-Miw)
Belgium	Limit value (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Belgium	Remark (BE)	(poussières alvéolaires)
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	0.3 mg/m <sup>3</sup> (inhalable aerosol) 0.1 mg/m <sup>3</sup> (K, respirable aerosol)
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	0.6 mg/m <sup>3</sup> (inhalable aerosol) 0.2 mg/m <sup>3</sup> (K, respirable aerosol)
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Finland	Huomautus (FI)	(alveolijae)
France	VME (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
France	Note (FR)	(poussières alvéolaires de quartz)
Hungary	AK-érték	0.15 mg/m <sup>3</sup>
Hungary	Megjegyzések (HU)	(respirable aerosol)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Lithuania	Remark (LT)	(Piūrėk IX skyriaus 3 pastabà)
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	0.075 mg/m <sup>3</sup>
Netherlands	Remark (MAC)	(Voor respirabel stof) (kankerverwekkende stoff)

# H-T Paintstik® Black

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

<b>Silicon dioxide (cristobalite) (14808-60-7)</b>		
Poland	NDS (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (krzemionke powyzej 50%; pyl calkowity) 0.3 mg/m <sup>3</sup> (krzemionke powyzej 50%; pyl respirabilny) 2 mg/m <sup>3</sup> (krzemionke od 2% do 50%; pyl calkowity) 0.3 mg/m <sup>3</sup> (krzemionke od 2% do 50%; pyl respirabilny)
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Slovakia	Upozornenie (SK)	(Dokázaný karcinogén pre ľudí, R)
Spain	VLA-ED (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Spain	Notes	(respirable aerosol)
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
Sweden	Anmärkning (SE)	(respirabelt damm; M, 1)
Switzerland	VME (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup>
Switzerland	Remark (CH)	(respirable aerosol)
<b>Graphite (7782-42-5)</b>		
Belgium	Remark (BE)	(excepté fibres) (fraction alvéolaire)
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Denmark	Anmærkninger (DK)	(naturlig, respirabel)
France	VME (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
France	Note (FR)	(fraction alvéolaire)
Spain	VLA-ED (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Spain	Notes	(inhalable aerosol)
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Sweden	Anmärkning (SE)	(inhalable aerosol)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable aerosol) 4 mg/m <sup>3</sup> (respirable aerosol)
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (Grafitt, naturlig, totalstøv) 2 mg/m <sup>3</sup> (Grafitt, naturlig, respirabelt støv)
<b>Polyethylene Glycol (25322-68-3)</b>		
Austria	MAK (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup> (einatembare Fraktion)
Austria	MAK Short time value (mg/m <sup>3</sup> )	4000 mg/m <sup>3</sup> max. 4x15 min./Schicht (einatembare Fraktion)
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup>
Denmark	Anmærkninger (DK)	(Polyethylenglycol (PEG) med middelmolvægt på 200-600)
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Germany	TRGS 900 Limitation of exposure peaks (mg/m <sup>3</sup> )	8000 mg/m <sup>3</sup>
Germany	Remark (TRGS 900)	(einatembare Fraktion)
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Slovakia	Upozornenie (SK)	krátkodobý: kategória II.
Switzerland	VME (ppm)	1000 ppm
Switzerland	Remark (CH)	(mittlere Molmasse 200–600)

### 8.2. Exposure controls

Appropriate engineering controls	: Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Ensure good ventilation of the work station.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear dust impervious gloves. Use rubber gloves. EN 374.
Eye protection	: Chemical goggles or safety glasses. EN 166.
Skin and body protection	: Long sleeved protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Use air-purifying respirator equipped with particulate filtering cartridges. EN 12083.
Other information	: Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
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# H-T Paintstik® Black

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Appearance	: A solid crayon-like marker.
Colour	: Black.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 120 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content : 0 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Contact with incompatible materials. Keep away from sources of ignition.

### 10.5. Incompatible materials

Acids. Bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Organic acids. Aldehydes. alcohols. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity** : Not classified

Graphite (7782-42-5)	
LD50 oral rat	> 2000 mg/kg No mortality observed
LC50 inhalation rat (mg/l)	> 2000 mg/m <sup>3</sup> 4 h, no mortality observed
2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2 mg/l/4h
Polyethylene Glycol (25322-68-3)	
LD50 oral rat	47000 mg/kg
LD50 dermal rat	> 20000 mg/kg
ATE CLP (oral)	47000.000 mg/kg bodyweight

**Skin corrosion/irritation** : Not classified

# H-T Paintstik® Black

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

<b>Serious eye damage/irritation</b>	: Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	: May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	: Not classified
<b>Carcinogenicity</b>	: May cause cancer.
<b>Reproductive toxicity</b>	: Not classified
<b>Specific target organ toxicity (single exposure)</b>	: Not classified
<b>Specific target organ toxicity (repeated exposure)</b>	: Not classified

### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

NOAEL (subacute, oral, animal/male, 28 days)	200 mg/kg bodyweight
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**Aspiration hazard** : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

#### Graphite (7782-42-5)

LC50 fish 1	> 100 mg/l 96 h, no mortality observed
EC50 Daphnia 1	> 100 mg/l 48 h, no mortality observed

#### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

LC50 fish 1	52.5 mg/l juvenile <i>S. maximus</i>
EC50 Daphnia 1	166 mg/l
ErC50 (algae)	15 mg/l
NOEC chronic algae	1 mg/l

#### Polyethylene Glycol (25322-68-3)

LC50 fish 1	> 100 mg/l
LC50 other aquatic organisms 1	1000 mg/l

### 12.2. Persistence and degradability

#### H-T Paintstik® Black

Persistence and degradability	May cause long-term adverse effects in the environment.
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#### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

Persistence and degradability	Not readily biodegradable.
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### 12.3. Bioaccumulative potential

#### 2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate (9014-85-1)

Bioconcentration factor (BCF REACH)	< 24
Bioaccumulative potential	Not expected to bioaccumulate.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### H-T Paintstik® Black

PBT: not yet assessed

vPvB: not yet assessed

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

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

### 14.1. UN number

Not considered a dangerous good for transport regulations



# H-T Paintstik® Black

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) :

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

No additional information available

#### 14.6.2. Transport by sea

No additional information available

#### 14.6.3. Inland waterway transport

Carriage prohibited (ADN) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0 %

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : 2 - hazard to waters

WGK remark : Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Indication of changes:

Original Document.

Abbreviations and acronyms:

	ACGIH (American Conference of Government Industrial Hygienists)
	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	PBT: Persistent, Bioaccumulative, Toxic
	TSCA: Toxic Substances Control Act



# H-T Paintstik® Black

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Data sources : ESIS (European chemical Substances Information System; accessed at: <http://esis.jrc.ec.europa.eu/index.php?PGM=cla>.  
European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.  
Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.  
National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.  
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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Carc. 1A	Carcinogenicity, Category 1A
Carc. 1A	Carcinogenicity (inhalation) Category 1A
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H350	May cause cancer
H350i	May cause cancer by inhalation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R22	Harmful if swallowed
R36	Irritating to eyes
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Expert judgment
Carc. 1A	H350	Calculation method
Aquatic Chronic 3	H412	Calculation method

LA-CO EU CLP SDS

**SDS Prepared by:** The Redstone Group, LLC  
6077 Frantz Rd.  
Suite 206  
Dublin, OH USA 43016  
T 614-923-7472  
[www.redstonegrp.com](http://www.redstonegrp.com)

*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*