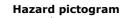


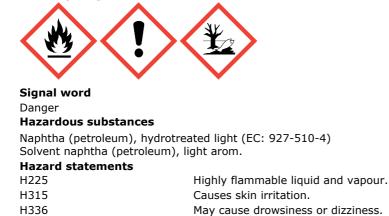
according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING Creation date 02nd October 2024 Revision date 4.0 Version SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. **Product identifier** U. C. UNDERCOATING Substance / mixture mixture Number R 34481 (BLACK) UFT KXG1-CXXH-H90P-UK7M 1.2. Relevant identified uses of the substance or mixture and uses advised against Mixture's intended use Finishing agents. For professional use only. Mixture uses advised against The product should not be used in ways other than those referred in Section 1. 1.3. Details of the supplier of the safety data sheet Supplier Name or trade name RETECH, s.r.o. Address Vackova 1541/4, Praha 5 - Stodůlky, 155 00 Czech Republic Identification number (CRN) 25018205 CZ25018205 VAT Reg No Phone +420327596428 E-mail info@retech.cz Web address www.retech.com Competent person responsible for the safety data sheet Name RETECH, s.r.o. F-mail info@retech.cz 1.4. **Emergency telephone number** European emergency number: 112 **SECTION 2: Hazards identification** 2.1. Classification of the substance or mixture Classification of the mixture in accordance with Regulation (EC) No 1272/2008 The mixture is classified as dangerous. Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336

Aquatic Chronic 2, H411 **Most serious adverse physico-chemical effects** Highly flammable liquid and vapour. **Most serious adverse effects on human health and the environment** Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

2.2. Label elements







according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

	\mathbf{U} . \mathbf{C} . UNDE	RCUATING	
Creation date	02nd October 2024		
Revision date		Version	4.0
H411	Toxic to aquatic life wit	h long lasting effects	5.
Precautionary st	atements		
P210	Keep away from heat, l No smoking.	not surfaces, sparks,	open flames and other ignition sources.
P243	Take action to prevent	static discharges.	
P280	Wear protective gloves	/eye protection/face	protection.
P303+P361+P353	IF ON SKIN (or hair): T with water.	ake off immediately	all contaminated clothing. Rinse skin
P403+P235	Store in a well-ventilate	ed place. Keep cool.	
P501	Dispose of contents/con	ntainer to according	to applicable regulations.
Supplemental in	formation		
Density		1.09 g/cm ³ at 20) °C (DIN 51757)
VOC		46,2 %	
Dry matter		54,2 % volume	
VOC limit value		cat. B (e) : 840	g/l
Max. VOC content in the product in its ready to use condition		503,3 g/l	-

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 927-510-4 Registration number: 01-2119475515-33	Naphtha (petroleum), hydrotreated light (EC: 927-510-4)	10-<25	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
EC: 920-750-0 Registration number: 01-2119473851-33- 0001	Naphtha (petroleum), hydrotreated light (EC: 920-750-0)	5-<10	Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH066	
EC: 921-024-6 Registration number: 01-2119475514-35	Naphtha (petroleum), hydrotreated light (EC: 921-024-6)	5-<10	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
EC: 918-668-5 Registration number: 01-2119455851-35	Solvent naphtha (petroleum), light arom.	5-<10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335, H336 Aquatic Chronic 2, H411 EUH066	

Full text of all classifications and hazard statements is given in the section 16.



according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date Revision date

Version

4.0

SECTION 4: First aid measures

4.1. Description of first aid measures

Remove contaminated clothes. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. In case of unconsciousness place patient stably in side position for transportation. Provide medical treatment if irritation, dyspnoea or other symptoms persist. **If on skin**

Remove contaminated clothes. Wash with plenty of soap and water. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. In the event of issues, find medical help.

If swallowed

Provide medical treatment if the person has any health problems.

02nd October 2024

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

If inhaled

May cause drowsiness or dizziness.

If on skin Causes skin irritation. If in eyes not available

If swallowed

not available

4.3. Indication of any immediate medical attention and special treatment needed not available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide, sand, powder. Unsuitable extinguishing media Water. Water - full jet.

5.2. Special hazards arising from the substance or mixture

not available 5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Keep unprotected persons away. Do not get in eyes, on skin, or on clothing.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Prevent seepage into sewage system, workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up

Ventilate the room. Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. Do not flush with water or aqueous cleansing agents.

6.4. Reference to other sections

See the Section 7, 8 and 13.



according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date Revision date Version

4.0

Chronic effects systemic

Chronic effects systemic

Chronic effects systemic

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use only outdoors or in a well-ventilated area. Ensure good ventilation/exhaustion at the workplace. Keep away from sparks, open flames and other ignition sources. No smoking. Take action to prevent static discharges. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

02nd October 2024

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set. $\ensuremath{\textbf{DNEL}}$

Dermal

Inhalation

Inhalation

Naphtha (petroleum),	hydrotreated light (EC	: 920-750-0)	
Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	699 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	699 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	773 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	608 mg/m ³	Chronic effects systemic
Workers	Inhalation	2035 mg/m ³	Chronic effects systemic
Naphtha (petroleum),	hydrotreated light (EC	: 921-024-6)	
Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	699 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	699 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	773 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	608 mg/m ³	Chronic effects systemic
Workers	Inhalation	2035 mg/m ³	Chronic effects systemic
Naphtha (petroleum),	hydrotreated light (EC	: 927-510-4)	
Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	149 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	149 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	300 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	477 mg/m ³	Chronic effects systemic
Workers	Inhalation	2085 mg/m ³	Chronic effects systemic
Solvent naphtha (petro	oleum), light arom.		
Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	11 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	25 mg/kg bw/day	Chronic effects systemic

11 mg/kg bw/day

150 mg/m³

32 mg/m³

Consumers

Consumers

Workers



according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date 02nd October 2024 Revision date

Version

4.0

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. Take off contaminated clothing. Prevent contact with skin and eyes. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Do not store together with food, drink and animal feed.

Eye/face protection

Tightly sealed goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. Material of gloves: Fluororubber. Recommended thickness of the material: ≥ 0.12 mm. Penetration time of glove material: > 480 min. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter A.

Thermal hazard

Not available.

9.1.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical propertie	25
Physical state	liquid
Colour	black
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range Naphtha (petroleum), hydrotreated light (EC: 927-510	data not available 94-99 °C
-4)	
Flammability	inflammable
Lower and upper explosion limit	data not available
Naphtha (petroleum), hydrotreated light (EC: 927-510-4)	1 %
Naphtha (petroleum), hydrotreated light (EC: 927- 510-4)	7 %
Flash point	data not available
Naphtha (petroleum), hydrotreated light (EC: 927-510 -4)	-9 °C (DIN 53213)
Auto-ignition temperature	data not available
Naphtha (petroleum), hydrotreated light (EC: 927-510 -4)	>200 °C
Decomposition temperature	data not available
pH	non-soluble (in water)
Kinematic viscosity	data not available
Viscosity	1300 mPa.s at 20 °C
Solubility in water	insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure Naphtha (petroleum), hydrotreated light (EC: 927-510	data not available 60 hPa at 20 °C
-4)	
Density and/or relative density	
Density	1.09 g/cm ³ at 20 °C (DIN 51757)
Relative vapour density	data not available data not available
Particle characteristics	
Form data not available	liquid
Other information	

9.2.



according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date 02nd October 2024			
Revision date	Version 4.0		
Evaporation rate	non-applicable		
Explosive properties	The product does not have explosive properties but can be explosive when blended with air.		
Content of organic solvents (VOC)	46.2 %		
Solid content (dry matter)	54.2 % volume (DIN 53216)		
VOC limit value	cat. B (e) : 840 g/l		
Max. VOC content in the product in its ready to use condition Water: 0,2 % Product is not selfigniting.	503.3 g/l		

SECTION 10: Stability and reactivity

- 10.1. Reactivity not available
 10.2. Chemical stability The product is stable and no degradation occurs under normal use.
 10.3. Possibility of hazardous reactions Unknown.
- 10.4. Conditions to avoid not available
- 10.5. Incompatible materials not available
 10.6 Hazardous decomposition r
- **10.6. Hazardous decomposition products** Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the mixture.

Acute toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Naphtha (petroleur	m), hydrotreate	ed light (EC: 920-750-	0)		
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD50	>5000 mg/kg		Rat	
Dermal	LD50	>2800 mg/kg		Rabbit	
Inhalation	LC50	>23.3 mg/l	4 hours	Rat	
Naphtha (petroleu	m), hydrotreate	d light (EC: 921-024-	6)	_	
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD 50	>5840 mg/kg		Rat	
Dermal	LD50	>2920 mg/kg		Rabbit	
Inhalation	LC50	>25.2 mg/l	4 hours	Rat	
Naphtha (petroleu	m), hydrotreate	ed light (EC: 927-510-	4)		
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD 50	>5840 mg/kg		Rat	
Dermal	LD50	>2920 mg/kg		Rabbit	
Inhalation	LC50	>23.3 mg/l	4 hours	Rat	



according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date Revision date 02nd October 2024

Version

4.0

Solvent naphtha (petroleum), light arom.					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD 50	3492 mg/kg		Rat	
Dermal	LD50	>3160 mg/kg		Rabbit	
Inhalation	LC ⁵⁰	>6193 mg/l	4 hours	Rat	

Skin corrosion/irritation

Causes skin irritation. Data for the components of the mixture are not available.

Serious eye damage/irritation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Respiratory or skin sensitisation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness. Data for the components of the mixture are not available.

Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects. **Acute toxicity**

Naphtha (petroleum), hydrotreated light (EC: 920-750-0)					
Parameter	Value	Exposure time	Species	Environment	
ELso	10-30 mg/l	72 hours	Algae (Selenastrum capricornutum)		



according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date Revision date 02nd October 2024

Version

4.0

Parameter	Value	Exposure time	Species	Environment
EL50	3 mg/l	48 hours	Invertebrates (Daphnia magna)	
LL50	>13.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
Naphtha (petro	oleum), hydrotreated	ight (EC: 921-024-6)		
Parameter	Value	Exposure time	Species	Environment
ELso	30-100 mg/l	72 hours	Algae (Selenastrum capricornutum)	
ELso	3 mg/l	48 hours	Invertebrates (Daphnia magna)	
LL50	11.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC50	10 mg/l	48 hours	Algae (Phaeophyta)	
Naphtha (petro	oleum), hydrotreated	ight (EC: 927-510-4)		
Parameter	Value	Exposure time	Species	Environment
EL50	10-30 mg/l	72 hours	Algae (Selenastrum capricornutum)	
EL50	3 mg/l	48 hours	Invertebrates (Daphnia magna)	
LL50	>13.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
Solvent naphth	na (petroleum), light a	rom.		
Parameter	Value	Exposure time	Species	Environment
LL50	9.2 mg/l	96 hours	Fish (Oncorhynchus	

12.2. Persistence and degradability

No data are available for either the mixture or the components.

3.2 mg/l

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

12.4. Mobility in soil

EL

No data are available for either the mixture or the components.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

48 hours

mykiss)

magna)

Invertebrates (Daphnia

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Ecotoxical effects: Remark: Toxic for fish

Additional ecological information:

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms. Not available.

SECTION 13: Disposal considerations



according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date Revision date

Version

4.0

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. HP3 "Flammable". HP 4 'Irritant — skin irritation and eye damage'. HP 5 'Specific Target Organ Toxicity (STOT)/Aspiration Toxicity'. HP 14 'Ecotoxic'.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

Packaging waste type code

15 01 10* packaging containing residues of or contaminated by hazardous substances

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

02nd October 2024

SECTION 14: Transport information

- **14.1. UN number or ID number** UN 1139
- 14.2. UN proper shipping name COATING SOLUTION
- 14.3.Transport hazard class(es)3Flammable liquids
- 14.4. Packing group

II

- 14.5. Environmental hazards Yes
- **14.6.** Special precautions for user Reference in the Sections 4 to 8.
- **14.7.** Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.

UN number

Classification code Safety signs



3+hazardous for the environment



Road transport - ADR	
Limited quantities	5 L
Excepted quantities	E2
Transport category	2
Tunnel restriction code	(D/E)
Railway transport - RID	
Transport category	2
Marine transport - IMDG	
Hazard initiator	Naphtha (petroleum), hydrotreated light
EmS (emergency plan)	F-E, S-E
Marine pollutant	Yes



according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date Revision date 02nd October 2024

Version

4.0

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

More information

Directive 2012/18/EU of the European parliament and of the Council - ANNEX I - Hazard categories: P5c FLAMMABLE LIQUIDS. E2 Hazardous to the Aquatic Environment in Category Chronic 2.

Qualifying quantity (tonnes) of dangerous substances for the application - of lower-tier requirements: 200.

Qualifying quantity (tonnes) of dangerous substances for the application of - upper-tier requirements: 500 (net).

SECTION 16: Other information

A list of standard risk phra	ses used in the safety data sheet
EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
Guidelines for safe handlin	g used in the safety data sheet
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to according to applicable regulations.
Other important information	on about human health protection
	less specifically approved by the manufacturer/importer - used for purposes other than r is responsible for adherence to all related health protection regulations.
Key to abbreviations and a	cronyms used in the safety data sheet
ADR	European agreement concerning the international carriage of dangerous goods by road
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC50	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
ELso	Effective Loading for 50 % of the tested organisms
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Flam. Liq.	Flammable liquid

QUALITY FOR PROFESSIONALS

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

U. C. UNDERCOATING

Creation date	02nd October 2024		
Revision date		Version	4.0
IATA	International Air Tra	Insport Association	
IBC	International Code I	or The Construction An	d Equipment of Ships Carrying
	Dangerous Chemica	ls	
ICAO	International Civil A	viation Organization	
IMDG	International Maritir	ne Dangerous Goods	
IMO	International Maritin	ne Organization	
INCI	International Nome	nclature of Cosmetic Ing	gredients
ISO	International Organ	ization for Standardizat	ion
IUPAC	International Union	of Pure and Applied Che	emistry
LC50	Lethal concentratior population	n of a substance in whic	h it can be expected death of 50% of the
LD50	Lethal dose of a sub population	stance in which it can t	be expected death of 50% of the
LL50	Lethal Loading for 5	0 % of tested organism	IS
log Kow	Octanol-water parti	tion coefficient	
OEL	Occupational Expos	ure Limits	
PBT	Persistent, bioaccun	nulative and toxic	
ppm	Parts per million		
REACH	Registration, Evalua	tion, Authorisation and	Restriction of Chemicals
RID	Agreement on the t	ransport of dangerous g	joods by rail
Skin Irrit.	Skin irritation		
STOT SE	Specific target orga	n toxicity - single expos	sure
UN	Four-figure identific Model Regulations	ation number of the sub	ostance or article taken from the UN
UVCB	Substances of unkn biological materials	own or variable compos	ition, complex reaction products or
VOC	Volatile organic com	ipounds	
vPvB	Very persistent and	very bioaccumulative	
Training guidelines			

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 4.0 replaces the SDS version from Wednesday, 10 August 2022. Changes were made in sections 1, 2, 3, 8, 11, 12, 13, 15 and 16.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.