

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date: 11/15/2022

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

1.1. Product identifier

Product form : Mixture

Trade name 2k clear coat 250ml UFI 3SHH-N4HG-JQ9G-GG4F

Product code TSP 710

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Chemicar Europe NV Baarbeek, 2 2070 Zwijndrecht T +32 (0) 3 234 87 80 - F +32 (0) 3 234 87 89 info@chemicar.eu

1.4. Emergency telephone number

: +32 (0) 3 760 08 09 Emergency number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229 Serious eye damage/eye irritation, Category 2 H319 Skin sensitisation, Category 1 H317 H336 Specific target organ toxicity - Single exposure, Category 3, Narcosis Hazardous to the aquatic environment - Chronic Hazard, Category 3 H412

Full text of H- and EUH-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)





GHS02

GHS07

Signal word (CLP)

Contains acetone; propan-2-one; propanone; n-butyl acetate; Aliphatisches Polyisocyanat;

Hydrocarbons, C9, aromatics; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate,

oligomers; reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-

hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-

tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4hydroxyphenyl)propionyloxypoly(oxyethylene); mixture of bis(1,2,2,6,6-pentamethyl-4-

piperidyl) sebacate

and methyl

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Precautionary statements (CLP)

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

Hazard statements (CLP) : H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H412 - Harmful to aquatic life with long lasting effects.

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

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. P312 - Call a POISON CENTER if you feel unwell.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 122 °F, 50

P501 - Dispose of contents and container to Meet the legal requirements. P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read carefully and follow all instructions.

EUH-statements : EUH204 - Contains isocyanates. May produce an allergic reaction. Extra phrases

Without adequate ventilation formation of explosive mixtures may be possible.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe

spray or mist.

Nordic countries regulation

Denmark

MAL code : 5-5

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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]	
dimethyl ether	CAS-No.: 115-10-6 25 – 50 EC-No.: 204-065-8 EC Index-No.: 603-019-00-8		Flam. Gas 1A, H220 Press. Gas	
acetone; propan-2-one; propanone	CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8	10 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
n-butyl acetate	CAS-No.: 123-86-4 EC-No.: 204-658-1 EC Index-No.: 607-025-00-1	10 – 25	Flam. Liq. 3, H226 STOT SE 3, H336	
Reaction mass of ethylbenzene and xylene	EC-No.: 905-588-0	5 – 10	Not classified	

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Aliphatisches Polyisocyanat	CAS-No.: 28182-81-2	5 – 10	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
Hydrocarbons,C9,aromatics	CAS-No.: 128601-23-0 EC-No.: 918-668-5	1 – 2.5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
5-methylhexan-2-one; isoamyl methyl ketone	CAS-No.: 110-12-3 EC-No.: 203-737-8 EC Index-No.: 606-026-00-4	1 – 2.5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	CAS-No.: 53880-05-0	0.1 – 1	Skin Sens. 1, H317
pentane-2,4-dione; acetylacetone	CAS-No.: 123-54-6 EC-No.: 204-634-0 EC Index-No.: 606-029-00-0	≤ 1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302
reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	EC-No.: 400-830-7 EC Index-No.: 607-176-00-3	0.1 – 0.25	Skin Sens. 1, H317 Aquatic Chronic 2, H411
mixture of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl	CAS-No.: 1065336-91-5 EC-No.: 915-687-0	0.1 – 0.25	Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Sens. 1A, H317

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Take off immediately all contaminated clothing.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical

advice/attention. In case of loss of consciousness, place the victim in the recovery position.

First-aid measures after skin contact : Wash off with soap and plenty of water. Rinse with plenty of water.

First-aid measures after eye contact : Rinse immediately with plenty of water. Rinse opened eye for several minutes under

running water. Then consult doctor.

First-aid measures after ingestion : If you feel unwell, seek medical advice.

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

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water stream to cool containers.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing. Warn road users and passers by to keep away from danger area.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow material to contaminate ground water system. Do not discharge into drains or rivers. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Provide adequate ventilation. Concerning disposal elimination after cleaning, see section 13.

6.4. Reference to other sections

SECTION 7. SECTION 13. SECTION 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Provide good ventilation in process area to prevent formation of vapour. Keep away from

heat and direct sunlight.

Precautions for safe handling : Keep away from sources of ignition - No smoking. Do not spray on an open flame or other

ignition source. Pressurized container: protect from sunlight and do not expose to

temperatures exceeding 50 °C. Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store in accordance with local, regional, national or international regulation.

Storage area : Store away from heat. Protect from heat and direct sunlight.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:						
115-10-6 dimethyl ether						
WEL	Short-term value: 958 mg/m³, 500 ppm					
	Long-term value: 766 mg/m³, 400 ppm					
67-64-1 acetone						
WEL	Short-term value: 3620 mg/m³, 1500 ppm					
	Long-term value: 1210 mg/m³, 500 ppm					
123-86-4 n-butyl acetate						
WEL	Short-term value: 966 mg/m³, 200 ppm					
	Long-term value: 724 mg/m³, 150 ppm					
1330-20-7 xylene, mixture of isomers						
WEL	Short-term value: 441 mg/m³, 100 ppm					
	Long-term value: 220 mg/m³, 50 ppm					
	Sk; BMGV					
110-12-3 5-methylhexan-2-one						
WEL	Short-term value: 475 mg/m³, 100 ppm					
	Long-term value: 95 mg/m³, 20 ppm Sk					
108-10-1 4-methylpentan-2-one						
WEL	Short-term value: 416 mg/m³, 100 ppm					
VVEL	Long-term value: 208 mg/m³, 50 ppm					
	Sk. BMGV					
Ingredients with biological limit values:						
1330-20-7 xylene, mixture of isomers						
BMGW	650 mmol/mol creatinine					
	Medium: urine					
	Sampling time: post shift					
	Parameter: methyl hippuric aci					
108-10-1 4-methylpentan-2-one						
BMGW	20 μmol/L					
	Medium: urine					
	Sampling time: post shift					
	Parameter: 4-methylpentan-2-one					

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Wash hands before breaks and after work. Remove contaminated clothes. Do not breathe gas/vapour/aerosol. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective goggles.

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

Eye protection:

Protective goggles

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Eye protection					
Type Field of application Characteristics					
Protective goggles					

8.2.2.2. Skin protection

Hand protection:

Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Nitrile rubber gloves	Nitrile rubber (NBR), Butyl rubber		0.7		

8.2.2.3. Respiratory protection

Respiratory protection				
Device	Condition	Standard		
Disposable half mask	Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust	If conc. in air > exposure limit		

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Gas Appearance : Aerosol.

Colour

Odour

Odour

Colour threshold

Colour t

Boiling point : \geq -24.9 °C (115-10-6 dimethyl ether)

Flash point : < 0 °C

Auto-ignition temperature : 235 °C (115-10-6 dimethyl ether)

Decomposition temperature : No data available Flammability (solid, gas) : Not self-igniting Vapour pressure : 3400 hPa Relative vapour density at 20°C : No data available Relative density : No data available

Solubility : Soluble in water with difficulty. Not miscible.

Partition coefficient n-octanol/water (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

Lower explosive limit (LEL) : 1.2 vol % (123-86-4 n-butyl acetate) Upper explosive limit (UEL) : 18.6 vol % (115-10-6 dimethyl ether)

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9.2. Other information

VOC content : 78.72 % VOC: <840g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No dangerous reactions known under normal conditions of use.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Reaction mass of ethylbenzene and xylene

LD50 dermal rabbit 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male, Remarks on results: other:

Skin corrosion/irritation: May produce an allergic reactionSerious eye damage/irritation: Causes serious eye irritation.Respiratory or skin sensitisation: May produce an allergic reaction

Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

LD/LC50 values relevant for classification:				
ATE (Acute Toxicity Estimates)				
Dermal	LD50	262442 mg/kg		
Inhalativ	LC50/4h	>23,8-24,2 mg/l		

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term

n : Not classified

(acute)

Hazardous to the aquatic environment, long-term

: Harmful to aquatic life with long lasting effects.

(chronic)

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Reaction mass of ethylbenzene and xylene					
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia				
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'				
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'				

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : Harmful to fishes.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations. Do not dispose of with domestic

waste.

Product/Packaging disposal recommendations

European List of Waste (LoW) code : 15 01 10* - packaging containing residues of or contaminated by dangerous substances

: Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN
14.1. UN number			
UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name			
	Not applicable	Not applicable	
Transport document description			
UN 1950 , 2.1, (D)	UN 1950 , 2.1	UN 1950 , 2.1	UN 1950 , 2.1
14.3. Transport hazard class(es	5)		
2.1	2.1	2.1	2.1
2	2	2	2
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN			
14.5. Environmental hazards						
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No			
No supplementary information available						

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Transport category (ADR) : 2
Tunnel restriction code (ADR) : D

Transport by sea

Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E0

Air transport

No data available

Inland waterway transport

Classification code (ADN) : 5F

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

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 78.72 % VOC: <840g/l

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

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Name		Nomenclature	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Acetone	67-64-1	2914 11 00	ex 3824 99 92

Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Acetone		67-64-1	2914 11 00	Category 3		Annex I

15.1.2. National regulations

France

Occupational diseases	
Code	Description
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BlmSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

Waterbezwaarlijkheid : 1 - Black list substance

SZW-lijst van kankerverwekkende stoffen : None of the components are listed SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen -: None of the components are listed

Vruchtbaarheid SZW-lijst van reprotoxische stoffen - Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations Young people below the age of 18 years are not allowed to use the product

Persons suffering from asthma or eczema and persons who have chronic lung diseases,

skin or respiratory allergies to isocyanates should not work with the material

The requirements from the Danish Working Environment Authorities regarding work with

epoxy resins and isocyanates must be observed during use and disposal

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:		
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
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	

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Full text of H- and EUH-statements:		
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Asp. Tox. 1	Aspiration hazard, Category 1	
EUH204	Contains isocyanates. May produce an allergic reaction.	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Gas 1A	Flammable gases, Category 1A	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H220	Extremely flammable gas.	
H222	Extremely flammable aerosol.	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H229	Pressurised container: May burst if heated.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H361f	Suspected of damaging fertility.	
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.	
Press. Gas	Gases under pressure	
Repr. 2	Reproductive toxicity, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1A	Skin sensitisation, category 1A	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

Safety Data Sheet (SDS), EU

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.