Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name STANDOX
CLEARCOAT ADDITIVE
KA678
BRILLIANT MAROON

Product code 4024669865486

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

Identified uses

Coating for professional use

The product is only for industrial and/or professional use, not for any private consumer use.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification

Producer/Supplier	Axalta Coating Systems Germany GmbH & Co. KG
Street/Box	Christbusch 25
Nat.-Code/Postal code/City	DE 42285 Wuppertal
Telephone	+49 (0)202 529-0
Telefax	+49 (0)202 529-2800

Information on SDS

Telephone	+49 (0)202 2530-2385
E-mail address	sds-competence@axaltacs.com

1.4. Emergency telephone number

Emergency telephone number of manufacturer	+(44)-870-8200418

Section 2. Hazards identification

The product is classified as dangerous in accordance with Directive 1999/45/EC.
The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

2.1. Classification of the substance or mixture

Classification of the mixture

According to European Directive 1999/45/EC as amended.
Classification: Carcinogenic Category 3; Irritant; Flammable;
[R10] Flammable. [R36] Irritating to eyes. [R40] Limited evidence of a carcinogenic effect.

According to Regulation (EC) No 1272/2008
Flam. Liq. 3, H226; Eye Irrit. 2, H319; Carc. 2, H351; EUH208;

2.2. Label elements

Labelling according to European Directive 1999/45/EC.

Symbol and indication of hazard.

	Xn	Harmful
Contains		tetrahydrofuran

R-phrase(s)

R10	Flammable.
R36	Irritating to eyes.
R40	Limited evidence of a carcinogenic effect.

S-phrase(s)

S23	Do not breathe vapour/spray.
S36/37	Wear suitable protective clothing and gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

Special labelling of certain mixtures
Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

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

Pictogram and Signal word of the product

Signal word: Warning

Hazardous components which must be listed on the label

Contains	tetrahydrofuran

Hazard statements

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.

H351	Suspected of causing cancer.
EUH208	Contains: methyl methacrylate; n-butyl methacrylate; May produce an allergic reaction.

Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280	Wear eye protection/ face protection.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P403 + P235	Store in a well-ventilated place. Keep cool.

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Restricted to professional users.

Section 3. Composition/information on ingredients

3.1. Substances

This product is a mixture. Health hazard information is based on its components.

3.2. Mixtures

Chemical characterization

Mixture of synthetic resins, pigments, and solvents

Hazardous components

Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC.

CAS 123-86-4	n-butyl acetate	
EC 204-658-1	REACh 01-2119485493-29	10.00 - < 12.50 %
Classification	R10; R66; R67	
CAS 108-32-7	propylene carbonate	
EC 203-572-1	REACh 01-2119537232-48	7.00 - < 10.00 %
Classification	Xi: R36	
CAS 109-99-9	tetrahydrofuran	
EC 203-726-8	REACh 01-211944314-46	5.00 - < 7.00 %
Classification	F: R11; R19; Xi: R36/37; Carc.Cat.3: R40	
CAS 1330-20-7	xylene	
EC 215-535-7	REACh 01-2119488216-32	5.00 - < 7.00 %
Classification	Xn: R20/21; Xn: R65; Xi: R36/37/38; R10; NotaC	
CAS 100-41-4	ethylbenzene	
EC 202-849-4	REACh 01-2119489370-35	1.00 - < 2.00 %
Classification	F: R11; Xn: R20; Xn: R48/20; Xn: R65	
CAS 67-56-1	methanol	
EC 200-659-6	REACh 01-211943307-44	0.25 - < 0.50 %
Classification	F: R11; T: R23/24/25; T: R39/23/24/25	

CAS 80-62-6	methyl methacrylate		
EC 201-297-1	REACh 01-2119452498-28	0.10 - < 0.20 %	
Classification	R43; Xi: R37/38; F: R11; NotaD		
CAS 97-88-1	n-butyl methacrylate		
EC 202-615-1	REACh 01-2119486394-28	0.10 - < 0.20 %	
Classification	R10; Xi: R36/37/38; R43; NotaD		

Substances presenting a health or environmental hazard within the meaning of Regulation (EC) No 1272/2008

CAS 590-01-2	butyl propionate		
EC 209-669-5	REACh no registration number available	20 - <	25 %
Classification	Flam. Liq. 3, H226; Note C;		
CAS 123-86-4	n-butyl acetate		
EC 204-658-1	REACh 01-2119485493-29	10 - <	12.5 %
Classification	Flam. Liq. 3, H226; STOT SE 3, H336; EUH066;		
CAS 108-32-7	propylene carbonate		
EC 203-572-1	REACh 01-2119537232-48	7 - <	10 %
Classification	Eye Irrit. 2, H319;		
CAS 109-99-9	tetrahydrofuran		
EC 203-726-8	REACh 01-2119444314-46	5 - <	7 %
Classification	Flam. Liq. 2, H225; Acute Tox. 4, H302; Eye Irrit. 2, H319; STOT SE 3, H335; Carc. 2, H351; EUH019;		
CAS 1330-20-7	xylene		
EC 215-535-7	REACh 01-2119488216-32	5 - <	7 %
Classification	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332; STOT SE 3, H335;		
CAS 100-41-4	ethylbenzene		
EC 202-849-4	REACh 01-2119489370-35	1 - <	2 %
Classification	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Acute Tox. 4, H332; STOT RE 2, H373; Aquatic Chronic 3, H412;		
CAS 67-56-1	methanol		
EC 200-659-6	REACh 01-2119433307-44	0.25 - <	0.3 %
Classification	Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370;		
CAS 80-62-6	methyl methacrylate		
EC 201-297-1	REACh 01-2119452498-28	0.1 - <	0.2 %
Classification	Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335; Note D;		
CAS 97-88-1	n-butyl methacrylate		
EC 202-615-1	REACh 01-2119486394-28	0.1 - <	0.2 %
Classification	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; STOT SE 3, H335; Note D;		

Up to the given revision date of this safety data sheet only the above mentioned REACh registration numbers are assigned to the chemical substances used in this mixture.

Additional advice
See full text of R-phrases in chapter 16.
See full text of H-phrases in chapter 16.

Section 4. First aid measures

4.1. Description of first aid measures

General advice

When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person.

Inhalation

Avoid inhalation of vapour or mist. Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

Skin contact

Do NOT use solvents or thinners. Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation persists, call a physician.

Eye contact

Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek medical advice.

Ingestion

If swallowed, seek medical advice immediately and show this safety data sheet (SDS) or product label. Do NOT induce vomiting. Keep at rest.

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

Please see practical experience in section 11.

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

If unconscious place in recovery position and seek medical advice.

Section 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Universal aqueous film-forming foam, Carbon dioxide (CO2), Dry chemical, Water spray.

Extinguishing media which shall not be used for safety reasons

High volume water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Fire will produce dense black smoke containing hazardous combustion products. Exposure to decomposition products may be a hazard to health.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

5.3. Advice for firefighters

Fire and Explosion Hazards

Flammable liquid. Vapours may form explosive mixtures with air. Remove all sources of ignition. Solvent vapours are heavier than air and may spread along floors.

Special Protective Equipment and Fire Fighting Procedures

Wear as appropriate: Full protective flameproof clothing. Wear self-contained breathing apparatus for firefighting if necessary. In the event of fire, cool tanks with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep in a well-ventilated place. Keep away from sources of ignition. Do not inhale vapours.

6.2. Environmental precautions

Do not let product enter drains. Notify the respective authorities in accordance with local law in the case of contamination of rivers, lakes or waste water systems. Please avoid any emission of volatile organic compounds as possible.

6.3. Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations. Clean preferably with a detergent; avoid use of solvents.

6.4. Reference to other sections

Comply with safety directives (see chapters 7 and 8).

Section 7. Handling and storage

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

7.1. Precautions for safe handling

Safe handling advice

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use grounded leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing. No sparking tools should be used. Avoid skin and eye contact. Do not breathe vapours or spray mist. Smoking, eating and drinking should be prohibited in the application area.

For personal protection see section 8. Comply with the health and safety at work laws. If material is a coating, do not sand, flame cut, braze or weld dry coating without an appropriate respirator or appropriate ventilation, and gloves.

Advice on protection against fire and explosion

Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Never use pressure to empty container: container is not a pressure vessel. Always keep in containers of same material as the original one.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Observe label precautions. Refer to Technical Data Sheet (TDS) for further information about storage temperature. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Advice on common storage

Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.

Section 8. Exposure controls/personal protection

8.1. Control parameters

DNEL

CAS-No.	Chemical name	End Use	Exposure routes	Fre-quency of exposure	Type	Value
123-86-4	n-butyl acetate	Workers	Dermal	Long term	Systemic effects	11 mg/kg/day
		Workers	Inhalative	Long term	Systemic effects	62.2 ppm
108-32-7	propylene carbonate	Workers	Dermal	Long term	Systemic effects	50 mg/kg/day
		Workers	Inhalative	Long term	Systemic effects	41.548 ppm
1330-20-7	xylene	Workers	Dermal	Long term	Systemic effects	3,182 mg/kg/day
		Workers	Inhalative	Long term	Systemic effects	50.17 ppm
100-41-4	ethylbenzene	Workers	Dermal	Long term	Systemic effects	180 mg/kg/day
		Workers	Inhalative	Long term	Systemic effects	17.73 ppm
67-56-1	methanol	Workers	Dermal	Long term	Systemic effects	40 mg/kg/day
		Workers	Inhalative	Long term	Systemic effects	196 ppm
80-62-6	methyl methacrylate	Workers	Dermal	Long term	Systemic effects	13.67 mg/kg
		Workers	Dermal	Long term	Local effects	1.5 mg/kg
		Workers	Inhalative	Long term	Systemic effects	50.5 ppm
		Workers	Inhalative	Long term	Local effects	210 mg/m3
97-88-1	n-butyl methacrylate	Workers	Dermal	Long term	Local effects	5 mg/kg
		Workers	Inhalative	Long term	Systemic effects	409 mg/m3
		Workers	Inhalative	Long term	Local effects	415.9 mg/m3

PNEC

CAS-No.	Chemical name	Compartment	Type	Value
80-62-6	methyl methacrylate	Aquatic	Sediment	5.74 mg/kg
		Aquatic	Fresh water	0.94 mg/l
		Aquatic	Sea-water	0.094 mg/l
97-88-1	n-butyl methacrylate	Aquatic	Fresh water	0.169 mg/l
		Aquatic	Sea-water	0.169 mg/l

Occupational exposure limits

CAS-No.	Chemical name	Source	Time	Type	Value	Note
109-99-9	tetrahydrofuran		15 min	IOELV15	300 mg/cm3	Skin
			15 min	IOELV15	100 ppm	Skin
			8 hr	IOELV8	150 mg/cm3	Skin
			8 hr	IOELV8	50 ppm	Skin
1330-20-7	xylene		15 min	IOELV15	442 mg/cm3	Skin
			15 min	IOELV15	100 ppm	Skin
			8 hr	IOELV8	221 mg/cm3	Skin
			8 hr	IOELV8	50 ppm	Skin
100-41-4	ethylbenzene		15 min	IOELV15	884 mg/cm3	Skin
			15 min	IOELV15	200 ppm	Skin
			8 hr	IOELV8	442 mg/cm3	Skin
			8 hr	IOELV8	100 ppm	Skin

CAS-No.	Chemical name	Source	Time	Type	Value	Note
67-56-1	methanol		8 hr	IOELV8	260 mg/cm3	Skin
			8 hr	IOELV8	200 ppm	Skin
80-62-6	methyl methacrylate		15 min	IOELV15	100 ppm	
			8 hr	IOELV8	50 ppm	

Glossary

IOELV Indicative Occupational Exposure Limit Values
TWA Time weighted average

8.2. Exposure controls

Additional technical information on the plant

Provide adequate ventilation. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. Mask with gas filter, type A (EN 141)

Protective equipment

Personal protective equipment should be worn to prevent contact with eyes, skin or clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

The breakthrough time of gloves is unknown for the product itself. The glove material given is recommended on basis of the substances in the preparation.

Chemical name	Glove material	Glove thickness	Break through time
n-butyl acetate	Viton (R) ®	0.7 mm	10 MIN
	Nitrile rubber	0.33 mm	30 MIN
xylene	Nitrile rubber	0.33 mm	30 MIN
	Viton (R) ®	0.7 mm	480 MIN

The protective glove should be checked in each case for their work specific suitability (e.g. mechanical stability, product compatibility, and anti-static properties). When the intended use is for spray application a nitrile glove of the chemical resistance group 3 (e.g. Dermatril® glove) is to be used. After contamination, the glove has to be changed. If immersing the hands into the product is not avoidable (e.g. maintenance work) a butyl or fluorocarbon rubber glove should be used. When skin exposure may occur to materials specified in section 3 of this SDS, advice should be sought from the glove supplier as to appropriate type to use with this product and the permeation breakthrough times. Care should be taken when working with sharp edged articles as these can easily damage the gloves and make them ineffective. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Damaged gloves or those showing signs of wear should be replaced immediately.

Eye protection

Use safety eyewear designed to protect against splash of products.

Skin and body protection

Wear suitable protective clothing. Personnel should wear antistatic clothing made of natural fiber or of high temperature resistant synthetic fiber.

Hygiene measures

Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use organic solvents!

Environmental exposure controls

Do not let product enter drains.
For ecological information refer to section 12.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Form: liquid; **Colour:** brown; **Odour:** Odour is not perceptible.;

Important health, safety and environmental information

Property	Value	Method
pH	No data available	
Melting point/freezing point	Not applicable.	
Boiling point/boiling range	125 °C	
Flash point	31 °C	EN ISO 3679
Evaporation rate	Slower than Ether	
Flammability (solid, gas)	not relevant as product is liquid	
Lower explosion limit	1 vol-% based on organic solvent content	
Upper explosion limit	14.3 vol-% based on organic solvent content	
Vapour pressure	15.6 hPa	
Vapour density	No data available	
Density	1.02 g/cm^3	20 °C - DIN 53217/ISO 2811
Solubility(ies)		
Water solubility	appreciable	
Solubility in other solvents	miscible with most organic solvents Listed in: Section 3. Composition/information on ingredients	
Partition coefficient: n-octanol/water	This product is a mixture. For ingredient details see section 12	
Auto-ignition temperature	321 °C	DIN 51794 based on organic solvent content
Decomposition temperature	This product is a mixture. For further information see section 10.	
Viscosity (23 °C)	<20 s	ISO 2431 - 1993 6 mm
Explosive properties	Not explosive	
Oxidizing properties	not oxidizing	

9.2. Other information

Solvent separation test	< 3%	ADR/RID
Content of volatile components (including water)	61.2 %	Basis Vapour pressure >= 0.01 kPa
organic solvent content	61.1 %	Basis Vapour pressure >= 0.01 kPa
European VOC	61.1 %	Basis Vapour pressure >= 0.1 hPa

Section 10. Stability and reactivity

10.1. Reactivity

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials to avoid

not required under normal use

10.6. Hazardous decomposition products

None known.

Section 11. Toxicological information

11.1. Information on toxicological effects

General observations
There is no data available on the product. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1272/2008/EC and classified for toxicological hazards accordingly. See sections 2 and 3 for details.

Practical experience
Swallowing may cause nausea, diarrhoea, vomiting, gastro-intestinal irritation and chemical pneumonia. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Acute toxicity

Acute inhalation toxicity

EINECS-No.	Chemical name	Species	Type	Exposure time	Value	Method
200-659-6	methanol	Rat	LC50	4 hr	64,000 ppm	
202-849-4	ethylbenzene	Rat	LC50	4 hr	4,000 ppm	
215-535-7	xylene	Rat	LC50	4 hr	5,000 ppm	

Acute dermal toxicity

EINECS-No.	Chemical name	Species	Type	Exposure time	Value	Method
200-659-6	methanol	Rabbit	LD50		15,800 mg/kg	
215-535-7	xylene	Rabbit	LD50		> 1,700 mg/kg	

Acute oral toxicity

EINECS-No.	Chemical name	Species	Type	Exposure time	Value	Method
200-659-6	methanol	Rat	LD50		5,628 mg/kg	
203-726-8	tetrahydrofuran	Rat	LD50		1,650 mg/kg	

Irritation

Eyes

EINECS-No.	Chemical name	Species	Method	Result
203-726-8	tetrahydrofuran			irritating
203-572-1	propylene carbonate			irritating
202-615-1	n-butyl methacrylate			irritating
215-535-7	xylene			irritating

Skin

EINECS-No.	Chemical name	Species	Method	Result
202-615-1	n-butyl methacrylate			irritating
201-297-1	methyl methacrylate			irritating
215-535-7	xylene			irritating
204-658-1	n-butyl acetate			slight irritation

Corrosion

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

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

Sensitisation

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation

EINECS-No.	Chemical name	Form	Species	Method	Result
201-297-1	methyl methacrylate				May cause an allergic skin reaction.
202-615-1	n-butyl methacrylate				May cause an allergic skin reaction.

Specific target organ toxicity - single exposure

EINECS-No.	200-659-6
Chemical name	methanol
Species	
Method	
Exposure routes	
Form	
Value	
Exposure time	
Target Organs	Skin
Result	Causes damage to organs.

EINECS-No.	200-659-6
Chemical name	methanol
Species	
Method	
Exposure routes	
Form	
Value	
Exposure time	
Target Organs	Gastrointestinal tract
Result	Causes damage to organs.

EINECS-No.	200-659-6
Chemical name	methanol
Species	
Method	
Exposure routes	
Form	
Value	
Exposure time	
Target Organs	Respiratory system
Result	Causes damage to organs.

EINECS-No.	215-535-7

Chemical name	xylene
Species	
Method	
Exposure routes	
Form	
Value	
Exposure time	
Target Organs	
Result	May cause respiratory irritation.

EINECS-No.	202-615-1
Chemical name	n-butyl methacrylate
Species	
Method	
Exposure routes	Inhalation
Form	
Value	
Exposure time	
Target Organs	Respiratory system
Result	May cause respiratory irritation.

EINECS-No.	201-297-1
Chemical name	methyl methacrylate
Species	
Method	
Exposure routes	
Form	
Value	
Exposure time	
Target Organs	
Result	May cause respiratory irritation.

EINECS-No.	203-726-8
Chemical name	tetrahydrofuran
Species	
Method	
Exposure routes	
Form	
Value	
Exposure time	
Target Organs	
Result	May cause respiratory irritation.

EINECS-No.	204-658-1
Chemical name	n-butyl acetate
Species	
Method	
Exposure routes	
Form	
Value	
Exposure time	
Target Organs	Narcotic effects
Result	May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

EINECS-No.	202-849-4
Chemical name	ethylbenzene
Species	
Method	
Exposure routes	
Form	
Value	
Exposure time	
Target Organs	

Result | May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity

EINECS-No.	Chemical name	Species	Method	Result
203-726-8	tetrahydrofuran			Suspected of causing cancer.

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

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

irritant effects
The liquid splashed in the eyes may cause irritation and reversible damage.

Sensitisation
Contains: methyl methacrylate; n-butyl methacrylate. May produce an allergic reaction.

Section 12. Ecological information

There are no data available on the product itself. The product should not be allowed to enter drains or watercourses. The data in this section is consistent with data from chemical safety reports available at the date of revision.

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

Based on available data no ingredient is classified for this hazard property (please see section 3).

12.6. Other adverse effects

The preparation was evaluated in accordance with the conventional method of the preparation directive 1272/2008/EG and was not classified as environmental dangerous.

Adsorbed organic bound halogens (AOX)

Product does not contain organic linked halogens contributing to AOX.

Section 13. Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local regulations.

Product

Recommendation:
A disposal process that converts the waste into energy is recommended. If this is not possible the hazardous waste must be disposed of by incineration.

Waste Key Number	Description
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned packaging

Recommendation:
Properly emptied containers are to be scrap processed or reconditioned. Improperly emptied containers are considered hazardous waste (waste key number 150110).

Section 14. Transport information

Transport only in accordance with the requirements of the Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labeling), ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

14.1. UN number

ADR/RID; IMDG; ICAO/IATA: 1263

14.2. UN proper shipping name

ADR/RID; IMDG; ICAO/IATA: PAINT

14.3. Transport hazard class(es)

Hazard class

ADR/RID; IMDG; ICAO/IATA: 3

Subsidiary hazard class

ADR/RID; IMDG; ICAO/IATA: Not applicable.

Labels

Tunnel restriction code

ADR/RID: D/E

Special Provisions

ADR/RID: 640E

Kemler Code

ADR/RID: 30

Hazchem Code

ADR/RID: 3Y

EmS

IMDG: F-E,S-E

14.4. Packaging group

ADR/RID; IMDG; ICAO/IATA: III

14.5. Environmental hazards

ADR/RID; IMDG; ICAO/IATA: none

Marine pollutant

IMDG: no

14.6. Special precautions for user

please see section 6 - 8

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Deliveries shall only be made based on appropriate packaging and in compliance with traffic laws.

Section 15. Regulatory information

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

Restricted to professional users.

15.2. Chemical safety assessment

No safety checks were carried out on the mixture.

Section 16. Other information

Full text of R phrases with no. appearing in section 3

R10	Flammable.
R11	Highly flammable.
R19	May form explosive peroxides.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37/38	Irritating to respiratory system and skin.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R40	Limited evidence of a carcinogenic effect.

R43	May cause sensitisation by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
R68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Full text of H phrases with no. appearing in section 3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH019	May form explosive peroxides.
EUH066	Repeated exposure may cause skin dryness or cracking.
Note C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
Note D	Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words “non-stabilised”.

Information taken from reference works and the literature.

Substance No.	CAS no: www.cas.org./EO/regsys.html http://echa.europa.eu/
Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC.	http://echa.europa.eu/search-for-chemicals http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB http://www.cdc.gov/niosh/ipcs/icstart.html
Other directives, limitations and prohibitory regulations	Regulation (EC) No. 1907/2006 Directive 98/24/EC Directive 2004/37/EC REGULATION (EC) No 1272/2008 EUR-LEX: http://europa.eu.int/eur-lex/lex
Exposure limit for the pure substance	http://osha.europa.eu/OSHA

Training advice

Regulation (EC) No. 1907/2006
Directive 98/24/EC

Further information

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU regulations and/or directives. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.

Report version

Version	Changes
4.0	7, 8, 11, 16

Revision Date: 2017-10-26