(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 1 of 21
Revision date: 22/09/2018 Print date: 22/09/2018

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: KCS Apple Red Product Code: KCS-AR

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

Solvent-based colors for airbrush painting

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: CUSTOM CREATIVE

Address: C/ SEVILLA 43

City: JEREZ DE LA FRONTERA

Province: CADIZ

Telephone: (+34) 956045939 E-mail: info@customcreative.es Web: customcreative.es

1.4 Emergency telephone number: (+34) 956045939 (Only available during office hours; Monday-Friday; 08:00-18:00)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

Eye Irrit. 2 : Causes serious eye irritation. Flam. Liq. 3 : Flammable liquid and vapour. STOT SE 3 : May cause respiratory irritation. STOT SE 3 : May cause drowsiness or dizziness.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:





Signal Word:

Warning

H statements:

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

P statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children. P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

 Version: 2
 Page 2 of 21

 Revision date: 22/09/2018
 Print date: 22/09/2018

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

P405 Store locked up.

P501 Dispose of contents/container to ...

EUH statements:

EUH066 Repeated exposure may cause skin dryness or cracking.

Restricted to professional users.

Contains

4-methylpentan-2-one, isobutyl methyl ketone

n-butyl acetate

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

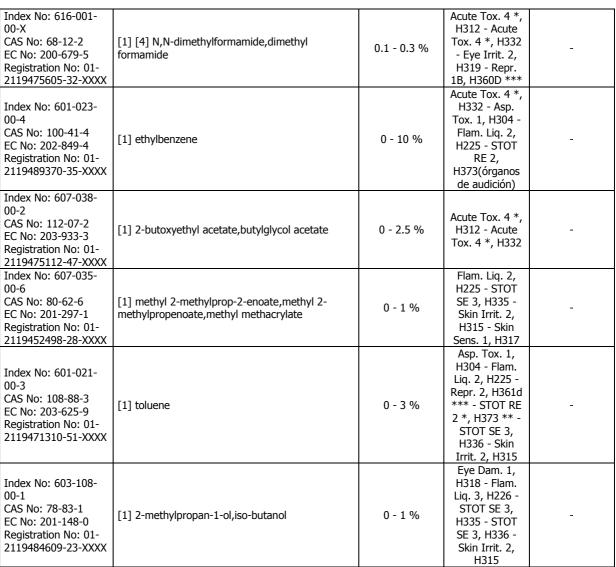
Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

			(*)Classification No 127	
Identifiers	Name	Concentrate	Classification	specific concentration limit
Index No: 606-004- 00-4 CAS No: 108-10-1 EC No: 203-550-1 Registration No: 01- 2119473980-30-XXXX	[1] 4-methylpentan-2-one,isobutyl methyl ketone	20 - 50 %	Acute Tox. 4 *, H332 - Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H335	-
Index No: 607-025- 00-1 CAS No: 123-86-4 EC No: 204-658-1 Registration No: 01- 2119485493-29-XXXX	[1] n-butyl acetate	20 - 50 %	Flam. Liq. 3, H226 - STOT SE 3, H336	ı
Index No: 603-004- 00-6 CAS No: 71-36-3 EC No: 200-751-6 Registration No: 01- 2119484630-38-XXXX	[1] n-butanol,butan-1-ol	0 - 1 %	Acute Tox. 4 *, H302 - Eye Dam. 1, H318 - Flam. Liq. 3, H226 - STOT SE 3, H335 - STOT SE 3, H336 - Skin Irrit. 2, H315	-
Index No: 601-022- 00-9 CAS No: 1330-20-7 EC No: 215-535-7 Registration No: 01- 2119488216-32-XXXX	[1] xylene (Mixture of isomers)	0 - 10 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 3 of 21
Revision date: 22/09/2018 Print date: 22/09/2018



^(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact.

^{*, **, ***} See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

^[1] Substance with a Community workplace exposure limit (see section 8.1).

^[4] Substance included in the list established under Article 59, paragraph 1, REACH (Candidate or subject to authorization).

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2

Revision date: 22/09/2018



Page 4 of 21 Print date: 22/09/2018

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

SECTION 5: FIREFIGHTING MEASURES.

Flammable product, the necessary prevention measures should be taken in order to avoid risks, In case of fire, the following measures are recommended:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

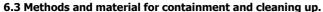
6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 5 of 21
Revision date: 22/09/2018 Print date: 22/09/2018



Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8. For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use antistatic footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

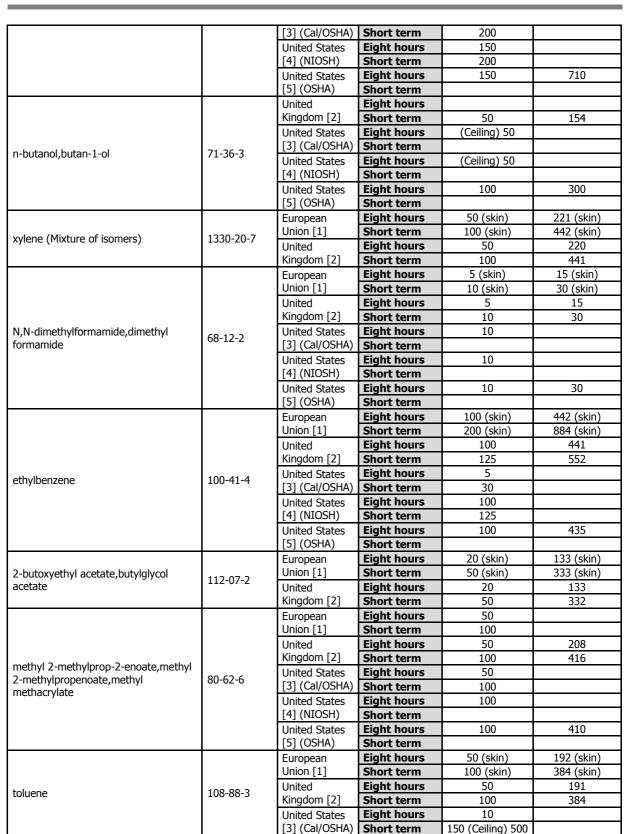
Name	CAS No.	Country	Limit value	ppm	mg/m³
		European	Eight hours	20	83
		Union [1]	Short term	50	208
		United	Eight hours	50	208
		Kingdom [2]	Short term	100	416
4-methylpentan-2-one,isobutyl methyl	108-10-1	United States	Eight hours	50	
ketone		[3] (Cal/OSHA)	Short term	75	
		United States	Eight hours	50	
		[4] (NIOSH)	Short term	75	
		United States	Eight hours	100	410
		[5] (OSHA)	Short term		
	123-86-4	United	Eight hours	150	724
n-butyl acetate		Kingdom [2]	Short term	200	966
		United States	Eight hours	150	

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

 Version: 2
 Page 6 of 21

 Revision date: 22/09/2018
 Print date: 22/09/2018

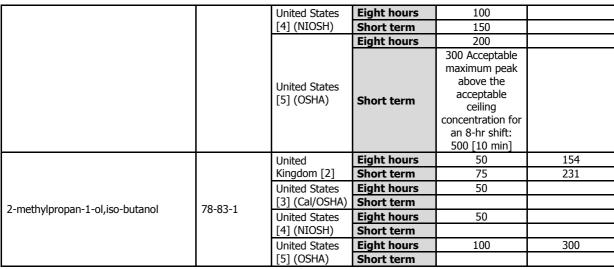


(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

 Version: 2
 Page 7 of 21

 Revision date: 22/09/2018
 Print date: 22/09/2018



^[1] According both Binding Occupational Esposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does NOT contain substances with Biological Limit Values. Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Туре	Value
	DNEL	Inhalation, Long-term, Local effects	83
	(Workers)	-	(mg/m³)
	DNEL (General	Inhalation, Long-term, Local effects	14,7
	population)		(mg/m³)
	DNEL	Inhalation, Long-term, Systemic effects	83
	(Workers)		(mg/m³)
	DNEL (General	Inhalation, Long-term, Systemic effects	14,7
	population)		(mg/m³)
	DNEL	Inhalation, Acute, Systemic effects	208
	(Workers)		(mg/m³)
4-methylpentan-2-one,isobutyl methyl ketone	DNEL (General	Inhalation, Acute, Systemic effects	155,2
CAS No: 108-10-1	population)		(mg/m³)
EC No: 203-550-1	DNEL	Inhalation, Acute, Local effects	208
	(Workers)		(mg/m³)
	DNEL (General	Inhalation, Acute, Local effects	155,2
	population)		(mg/m³)
	DNEL	Dermal, Long-term, Systemic effects	11,8
	(Workers)		(mg/kg
			bw/day)
	DNEL (General	Dermal, Long-term, Systemic effects	4,2 (mg/kg
	population)		bw/day)
	DNEL (General	Oral, Long-term, Systemic effects	4,2 (mg/kg
	population)	T	bw/day)
	DNEL (Markers)	Inhalation, Long-term, Systemic effects	480
n-butyl acetate	(Workers)	Inhalation Long torm Cystomic offsets	(mg/m³)
CAS No: 123-86-4	DNEL (General	Inhalation, Long-term, Systemic effects	102,34 (mg/m ³)
EC No: 204-658-1	population) DNEL	Inhalation Acuta Customic offects	(mg/m³) 960
		Inhalation, Acute, Systemic effects	
	(Workers)		(mg/m³)

^[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adobted by Health and Safety Executive.

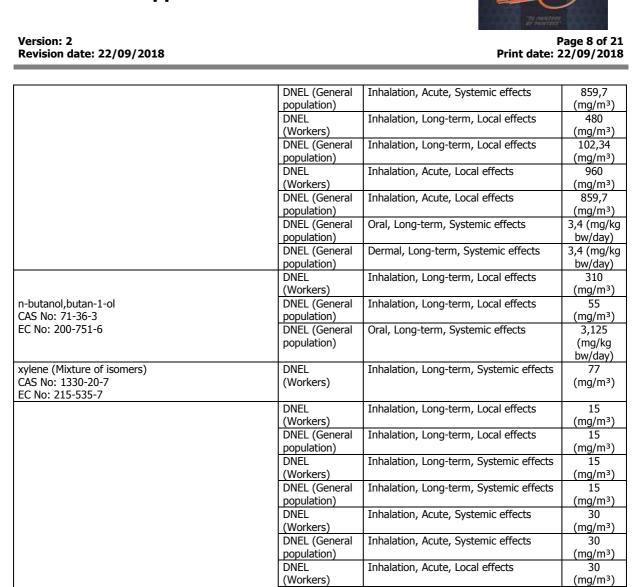
^[3] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

^[4] According Compendium of Policy Documents and Statements adopted by National Institute for Occupational Safety and Health (NIOSH).

^[5] According Occupational Health and Safety Standards and US Code of Federal Regulations adopted by US Occupational Safety and Health Administration (OSHA).

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red



N,N-dimethylformamide,dimethyl formamide

CAS No: 68-12-2 EC No: 200-679-5

DNEL (General Inhalation, Acute, Local effects 30 (mg/m³) population) **DNEL** Dermal, Long-term, Systemic effects 3,31 (Workers) (mg/kg bw/day) 1,98 DNEL (General Dermal, Long-term, Systemic effects population) (mg/kg bw/day) **DNEL** Dermal, Acute, Systemic effects 26,3 (Workers) (mg/kg bw/day) DNEL (General Dermal, Acute, Systemic effects 15,8 population) (mg/kg bw/day) DNEL Dermal, Long-term, Local effects 446 (µg/cm²) (Workers) DNEL (General Dermal, Long-term, Local effects 267 (µg/cm²) population) **DNEL** Dermal, Acute, Local effects 5900 (Workers) (µg/cm²) DNEL (General Dermal, Acute, Local effects 3550 population) (µg/cm²)

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 9 of 21
Revision date: 22/09/2018 Print date: 22/09/2018



	ı	1	T
	DNEL (General population)	Oral, Long-term, Systemic effects	1,98 (mg/kg bw/day)
	DNEL (General population)	Oral, Acute, Systemic effects	5,94 (mg/kg bw/day)
ethylbenzene CAS No: 100-41-4 EC No: 202-849-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	77 (mg/m³)
2-butoxyethyl acetate,butylglycol acetate CAS No: 112-07-2 EC No: 203-933-3	DNEL (Workers)	Inhalation, Long-term, Systemic effects	133 (mg/m³)
methyl 2-methylprop-2-enoate,methyl 2 methylpropenoate,methyl methacrylate	(Workers)	Inhalation, Long-term, Local effects	208 (mg/m³)
CAS No: 80-62-6 EC No: 201-297-1	DNEL (Workers)	Inhalation, Long-term, Systemic effects	208 (mg/m³)
	DNEL (Workers)	Inhalation, Long-term, Local effects	192 (mg/m³)
	DNEL (General population)	Inhalation, Long-term, Local effects	56,5 (mg/m³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	192 (mg/m³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	56,5 (mg/m³)
	DNEL (Workers)	Inhalation, Acute, Systemic effects	384 (mg/m³)
toluene	DNEL (General population)	Inhalation, Acute, Systemic effects	226 (mg/m³)
CAS No: 108-88-3 EC No: 203-625-9	DNEL (Workers)	Inhalation, Acute, Local effects	384 (mg/m³)
	DNEL (General population)	Inhalation, Acute, Local effects	226 (mg/m³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	384 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	226 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	8,13 (mg/kg bw/day)
2-methylpropan-1-ol,iso-butanol	DNEL (Workers)	Inhalation, Long-term, Local effects	310 (mg/m³)
CAS No: 78-83-1 EC No: 201-148-0	DNEL (General population)	Inhalation, Long-term, Local effects	55 (mg/m³)

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

Name	Details	Value
	aqua (freshwater)	0,6 (mg/L)
	aqua (marine water)	0,06 (mg/L)
A months described 2 and inches described between	aqua (intermittent releases)	1,5 (mg/L)
4-methylpentan-2-one,isobutyl methyl ketone CAS No: 108-10-1	PNEC STP	27,5 (mg/L)
EC No: 203-550-1	sediment (freshwater)	8,27 (mg/kg
LC NO. 203-330-1		sediment dw)
	sediment (marine water)	0,83 (mg/kg
		sediment dw)

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

 Version: 2
 Page 10 of 21

 Revision date: 22/09/2018
 Print date: 22/09/2018



	soil	1,3 (mg/kg soil dw)
	aqua (freshwater)	0,18 (mg/l)
	aqua (marine water)	0,018 (mg/l)
	aqua (intermittent releases)	0,36 (mg/l)
n-butyl acetate	PNEC STP	35,6 (mg/l)
CAS No: 123-86-4	sediment (freshwater)	0,981 (mg/kg
EC No: 204-658-1		sediment dw)
	sediment (marine water)	0,0981
		(mg/kg
		sediment dw)
	aqua (freshwater)	0,082 (mg/L)
	aqua (marine water)	0,0082
		(mg/L)
	aqua (intermittent releases)	2,25 (mg/L)
n-butanol,butan-1-ol	PNEC STP	2476 (mg/L)
CAS No: 71-36-3	sediment (freshwater)	0,178 (mg/kg
EC No: 200-751-6		sediment dw)
20 1101 200 701 0	sediment (marine water)	0,0178
		(mg/kg
		sediment dw)
	soil	0,015 (mg/kg
		soil dw)
	aqua (freshwater)	30 (mg/L)
	aqua (marine water)	3 (mg/L)
	aqua (intermittent releases)	30 (mg/L)
	PNEC STP	123 (mg/L)
N,N-dimethylformamide,dimethyl formamide	sediment (freshwater)	115,18
CAS No: 68-12-2		(mg/kg
EC No: 200-679-5	l:	sediment dw)
	sediment (marine water)	11,52 (mg/kg
	!	sediment dw)
	soil	56,97 (mg/kg
	agua (fraghustar)	soil dw) 0,68 (mg/L)
	aqua (freshwater)	
	aqua (marine water)	0,68 (mg/L)
toluene	aqua (intermittent releases) PNEC STP	0,68 (mg/L)
CAS No: 108-88-3		13,61 (mg/L)
EC No: 203-625-9	sediment (freshwater)	16,39 (mg/kg
	sediment (marine water)	sediment dw) 16,39 (mg/kg
	sedifient (marine water)	sediment dw)
	agua (froshwator)	0,4 (mg/L)
	aqua (freshwater) aqua (marine water)	0,4 (Hg/L)
	aqua (intermittent releases)	11 (mg/L)
	STP	10 (mg/L)
2-methylpropan-1-ol,iso-butanol	sediment (freshwater)	1,52 (mg/kg
CAS No: 78-83-1	Scullicit (Ilestiwater)	sediment dw)
EC No: 201-148-0	sediment (marine water)	0,152 (mg/kg
	Sediment (manne water)	sediment dw)
	soil	0,0699
	3011	(mg/kg soil
		dw)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls.

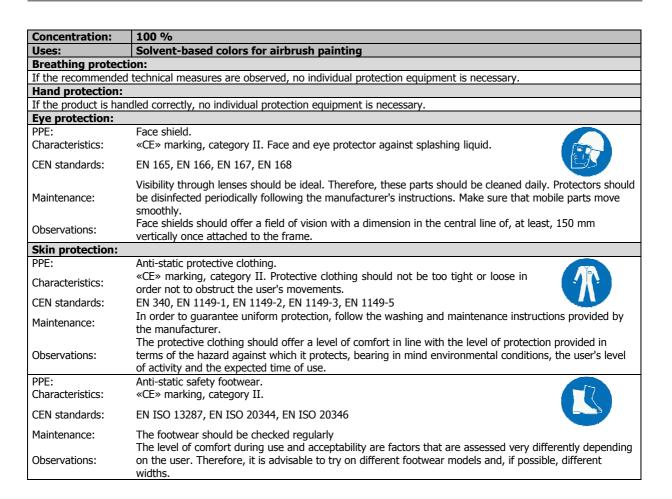
Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 11 of 21
Revision date: 22/09/2018 Print date: 22/09/2018



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour

Colour: rojo Odour:N.A./N.A.

Odour threshold:N.A./N.A.

pH:N.A./N.A.

Melting point:N.A./N.A. Boiling Point: 79 °C Flash point: 23 °C

Evaporation rate: N.A./N.A. Inflammability (solid, gas): N.A./N.A. Lower Explosive Limit: N.A./N.A. Upper Explosive Limit: N.A./N.A.

Vapour pressure: 16,6 Vapour density:N.A./N.A. Relative density:0,888 Solubility:N.A./N.A. Liposolubility: N.A./N.A. Hydrosolubility: N.A./N.A.

Partition coefficient (n-octanol/water): N.A./N.A.

Auto-ignition temperature: N.A./N.A.

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 12 of 21
Revision date: 22/09/2018 Print date: 22/09/2018

Decomposition temperature: N.A./N.A.

Viscosity: N.A./N.A.

Explosive properties: N.A./N.A. Oxidizing properties: N.A./N.A.

N.A./N.A. = Not Available/Not Applicable due to the nature of the product

9.2 Other information.

Pour point: N.A./N.A. Blink: N.A./N.A.

Kinematic viscosity: N.A./N.A.

N.A./N.A.= Not Available/Not Applicable due to the nature of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

If the storage conditions are satisfied, does not produce dangerous reactions.

10.2 Chemical stability.

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

10.3 Possibility of hazardous reactions.

Flammable liquid and vapour.

10.4 Conditions to avoid.

Avoid the following conditions:

- High temperature.
- Static discharge.
- Contact with incompatible materials.
- Avoid temperatures near or above the flash point. Do not heat closed containers. Avoid direct sunlight and heat, as these may cause a risk of fire.

10.5 Incompatible materials.

Avoid the following materials:

- Explosives materials.
- Toxic materials.
- Oxidizing materials.

10.6 Hazardous decomposition products.

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

SECTION 11: TOXICOLOGICAL INFORMATION.

2-butoxyethanol and its acetate are easily absorbed by the skin and can cause noxious effects to the kidneys.

IRRITANT PREPARATION. Splatters in the eyes can cause irritation.

IRRITANT PREPARATION. The inhalation of spray mist or suspended particulates can irritate the respiratory tract. It can also cause serious respiratory difficulties, central nervous system disorders, and in extreme cases, unconsciousness.

11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

Toxicological information about the substances present in the composition.

Name		Acute toxicity			
Name	Туре	Test	Kind	Value	
4-methylpentan-2-one,isobutyl methyl ketone	Oral	LD50	Rat	2080 mg/kg bw [1]	
Theatyperical 2 one, sobacy meany recone	Oral	[1] Union C	Carbide Data Sh	neet. Vol. 4/25/1958	

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

 Version: 2
 Page 13 of 21

 Revision date: 22/09/2018
 Print date: 22/09/2018

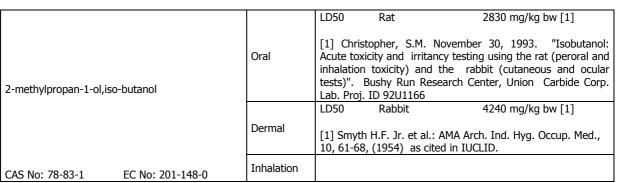


		r	1		
			LD0	Rat	>=2000 mg/kg bw [1]
		Dermal		uideline 402 (Ac al result, 1996.	ute Dermal Toxicity) 1987,
				Rat	>2000 <4000 ppm (4 h) [1]
CAS No: 108-10-1	EC No: 203-550-1	Inhalation		FINDING TOXIC	ITY DATA: LIST IV, Smyth HF, 51.
				Rat	10800 mg/kg bw [1]
		Oral		oxicity Data. Jo Part B. Vol. 1, P	urnal of the American College of g. 196, 1992
n-butyl acetate				Rabbit	>17600 mg/kg bw [1]
		Dermal	[1] Raw Mat 1974. Vol. 1	terial Data Hand , Pg. 7, 1974	book, Vol.1: Organic Solvents,
				Rat	1.85 mg/l/4 h [1]
CAS No: 123-86-4	EC No: 204-658-1	Inhalation	[1] Inhalatio	n Toxicology V	ol. 9, Pg. 623, 1997
				Rat	4360 mg/kg bw [1]
		Oral		arbide Corp. Bus 4-73. Export, PA	shy Run Research Center, Project
n-butanol,butan-1-ol				Rabbit	3402 mg/kg bw [1]
,		Dermal		arbide Corp. Bus 4-73. Export, PA	shy Run Research Center, Project
				Rat	7500 ppm (8 h) [1]
CAS No: 71-36-3	EC No: 200-751-6	Inhalation		arbide Corp. Bus 4-73. Export, PA	shy Run Research Center, Project
		Oral		Rat	4300 mg/kg bw [1]
					ial Health. Vol. 14, Pg. 387, 1956
xylene (Mixture of isome	rs)		LD50	Rabbit	> 1700 mg/kg bw [1]
		Dermal		terial Data Hand , Pg. 123, 1974	book, Vol.1: Organic Solvents,
			LC50	Rat	21,7 mg/l/4 h [1]
CAS No: 1330-20-7	EC No: 215-535-7	Inhalation		terial Data Hand , Pg. 123, 1974	book, Vol.1: Organic Solvents,
		Ounl	LD50	Mouse	3700 mg/kg bw [1]
		Oral	[1] BUA-Stof	ffdossier. N.N-D	imethylformamid, Stand 04/91
N,N-dimethylformamide,	dimethyl formamide			rabbit	1500 mg/kg bw [1]
i v, v-uimeuryiiormaniide,i	unneuryr formamue	Dermal			e, final draft, 04/1990. cited in: thylformamid, Stand 04/91
				rat	5.9 mg/L air (4 h) [1]
CAS No: 68-12-2	EC No: 200-679-5	Inhalation		6, department of 52), 19.07.1979	toxicology, unpublished
				Rat	3500 mg/kg bw [1]
		Oral	[1] AMA Ara	hives of Industr	ial Health. Vol. 14, Pg. 387, 1956
ethylbenzene				Rabbit	15400 mg/kg bw [1]
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Dermal			sicology. Vol. 13, Pg. 803, 1975
CAS No: 100-41-4	EC No: 202-849-4	Inhalation			<u> </u>
0.0 NO. 100 II T	20 1101 202 0 13 T	_1	J		

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 14 of 21
Revision date: 22/09/2018 Print date: 22/09/2018



a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation;

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

c) serious eye damage/irritation;

Product classified:

Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;

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

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

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

h) STOT-single exposure;

Product classified:

Specific target organ toxicity following a single exposure, Category 3:

i) STOT-repeated exposure;

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

j) aspiration hazard;

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

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

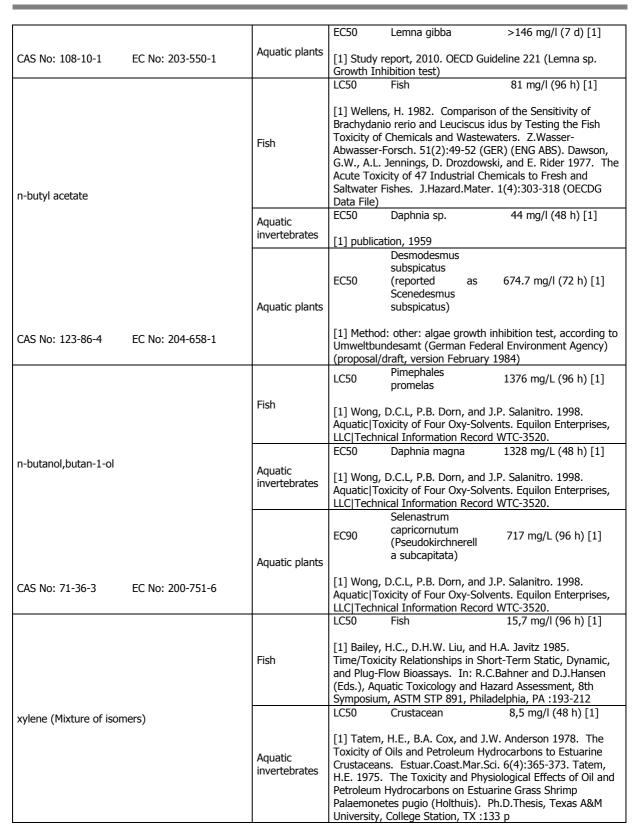
Name	Ecotoxicity			
Name	Туре	Test	Kind	Value
	Fish	LC50	Danio rerio	>179 mg/l (96 h) [1]
		[1] Experimental result, April 29 to May 03, 2		
4-methylpentan-2-one,isobutyl methyl ketone		EC50	Daphnia magna	1550 mg/l (24 h) [1]
	Aquatic invertebrates	[1] OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)		

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

 Version: 2
 Page 15 of 21

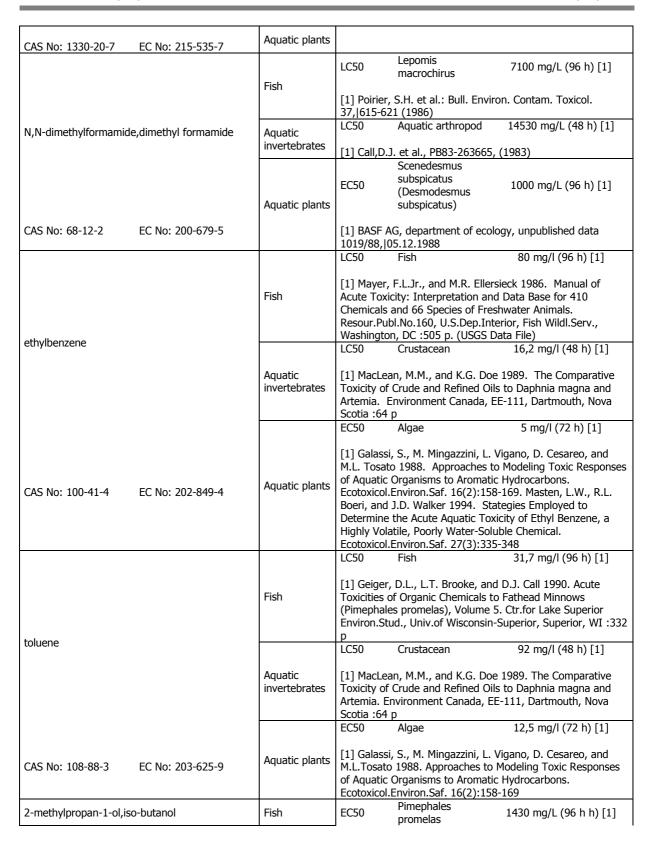
 Revision date: 22/09/2018
 Print date: 22/09/2018



(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

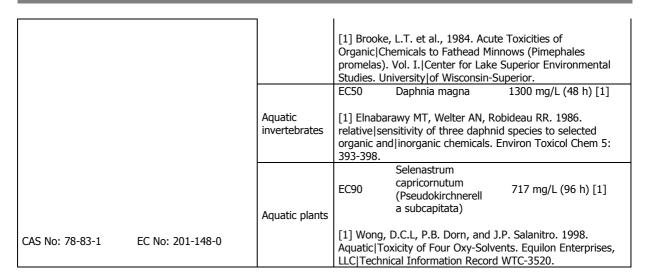
Version: 2 Page 16 of 21
Revision date: 22/09/2018 Print date: 22/09/2018



(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 17 of 21
Revision date: 22/09/2018 Print date: 22/09/2018



12.2 Persistence and degradability.

There is no information available on the degradability of the substances present.

No information is available regarding the degradability of the substances present.No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name		Bioaccumulation				
		Log Pow	BCF	NOECs	Level	
4-methylpentan-2-one,isobutyl methyl ketone		1 21			Vondlau	
N. CAS: 108-10-1	EC No: 203-550-1	1,31	-	-	Very low	
n-butyl acetate		1,78	_	_	Very low	
N. CAS: 123-86-4	EC No: 204-658-1	1,70			very low	
n-butanol,butan-1-ol		0.94		_	Very low	
N. CAS: 71-36-3	EC No: 200-751-6	0,84	_	_	very low	
N,N-dimethylformamide,dime	ethyl formamide	-1,01 -		-	Very low	
N. CAS: 68-12-2	EC No: 200-679-5	-1,01	_		very low	
ethylbenzene		3,15	_	_	Moderate	
N. CAS: 100-41-4	EC No: 202-849-4	3,13	_	-	Moderate	
toluene		2 72	_	-	Low	
N. CAS: 108-88-3	EC No: 203-625-9	2,73	-		LOW	
2-methylpropan-1-ol,iso-buta	anol	0.76			Vandau	
N. CAS: 78-83-1	EC No: 201-148-0	0,76	-	-	Very low	

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

 Version: 2
 Page 18 of 21

 Revision date: 22/09/2018
 Print date: 22/09/2018



No information is available about the mobility in soil. The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

SECTION 13 DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

Land: Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

<u>Sea:</u> Transport by ship: IMDG.
Transport documentation: Bill of lading
<u>Air</u>: Transport by plane: ICAO/IATA.
Transport document: Airway bill.

14.1 UN number.

UN No: UN1263

14.2 UN proper shipping name.

Description:

ADR: UN 1263, PAINT, 3, PG III, (D/E) IMDG: UN 1263, PAINT, 3, PG III

ICAO/IATA: UN 1263, PAINT, 3, PG III

14.3 Transport hazard class(es).

Class(es): 3

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: No

14.6 Special precautions for user.

Labels: 3



Hazard number: 30

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 19 of 21
Revision date: 22/09/2018 Print date: 22/09/2018

ADR LQ: 5 L IMDG LQ: 5 L ICAO LQ: 10 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR. Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E,S-E Proceed in accordance with point 6.

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

The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

Product Subcategory (Directive 2004/42/EC): Special finishes (All types)

Phase I* (from 01/01/2007): 840 g/l Phase II* (from 01/01/2010): 840 g/l

(*) g/l ready to use

VOC content (p/p): 66,284 % VOC content: 588,348 g/l

The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

Designation of the substance, of the group of substances or of the mixture

- 30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed as follows:
- Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5 Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the

unborn child) (Table 3.2) listed in Appendix 6

Conditions of restriction

- 1. Shall not be placed on the market, or used,
- as substances,
- as constituents of other substances, or,
- in mixtures.

for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:

- either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,
- the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008.

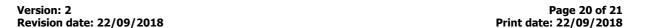
Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:

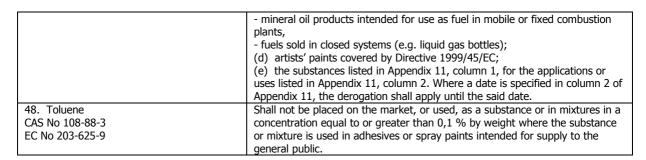
'Restricted to professional users'.

- 2. By way of derogation, paragraph 1 shall not apply to:
- (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;
- (b) cosmetic products as defined by Directive 76/768/EEC;
- (c) the following fuels and oil products:
- motor fuels which are covered by Directive 98/70/EC,

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red





Kind of pollutant for the water (Germany): WGK 1: Slightly hazardous for the water. (Autoclassified according to the AwSV Regulations)

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360D	May damage the unborn child.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposu
H373	May cause damage to organs <or affected,="" all="" if="" k<="" organs="" state="" td=""></or>

H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.(órganos de audición)

Classification codes:

Acute Tox. 4 : Acute toxicity (Dermal), Category 4
Acute Tox. 4 : Acute toxicity (Inhalation), Category 4
Acute Tox. 4 : Acute toxicity (Oral), Category 4
Asp. Tox. 1 : Aspiration toxicity, Category 1
Eye Dam. 1 : Serious eye damage, Category 1
Eye Irrit. 2 : Eye irritation, Category 2
Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Repr. 1B : Reproductive toxicant, Category 1B
Repr. 2 : Reproductive toxicant, Category 2

STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2 STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

Skin Irrit. 2 : Skin irritant, Category 2 Skin Sens. 1 : Skin sensitiser, Category 1

(in accordance with Regulation (EU) 2015/830)

KCS-AR-KCS Apple Red

Version: 2 Page 21 of 21
Revision date: 22/09/2018 Print date: 22/09/2018

Sections changed compared with the previous version:

1,4,16

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AwSV: Facility Regulations for handling substances that are hazardous for the water.

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be

considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not

anticipated.

EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code for Dangerous Goods.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

Log Pow: Logarithm of the partition octanol-water.

NOEC: No observed effect concentration.

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are

not expected in the environmental compartment.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

WGK: Water hazard classes.

Key literature references and sources for data:

http://eur-lex.europa.eu/homepage.html

http://echa.europa.eu/

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.