

# 993498 Lyreco Whiteboard Marker C/Tip Green

Chemwatch: 4854-61 Version No: 2.1.1.1 Safety Data Sheet (Conforms to Regulations (	(EC) No 453/2010)		Print Date: Issue Date: S.REACH.GBR.EN	20/11/2013 04/06/2013
· · ·	the substance / mixture and of t	he company / undertaking		
1.1. Product Identifier				
Product name:	993498 Lyreco Whiteboard Marker C/Tip Green			_
Chemical Name:	Not Applicable			
Synonyms:	Product Code: 993498			
Proper shipping name:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa)			
Chemical formula:	Not Applicable	,		
Other means of identification:	Not Available			
CAS number:	Not Applicable			
EC number:	Not Applicable			
Index number:	Not Applicable			
REACH registration number:	Not Applicable			
1.2. Relevant identified uses of	the substance or mixture and uses	advised against		
Relevant identified uses:	Whiteboard marker., NOTE: Information on this	SDS refers to ink used in pens and markers, however, it a	pplies to these inks in bulk.	
Uses advised against:	Not Applicable			
1.3. Details of the supplier of th	e safety data sheet			
Registered company name:	Lyreco Group (Lyreco France)			
Address:	Rue du 19 Mars 1962 Marly 59770 France			
Telephone:	+33 3 27 23 64 00 (9a.m-5p.m. CET.)			
Fax:	Not Available			
Website:	Not Available			
Email:	Not Available			
1.4. Emergency telephone num	ber			
Association / Organisation:	Not Available			
Emergency telephone numbers:	+33 3 27 23 64 00 (9a.m-5p.m. CET.)			
Other emergency telephone numbers:	+33 3 27 23 64 00 (9a.m-5p.m. CET.)			
SECTION 2 Hazards identification of the second se	ation			
2.1. Classification of the substa	ince or mixture			
Considered a dangerous mixture accordir				
ImmWatch Hazard Ratings   Iammability 3   Tammability 2   Sody Contact 2   Reactivity 1   Chronic 2	0 = Minimum 1 = Low 2 = Moderate 3 = High 4 = Extreme			
DSD classification:				
case of mixtures, classification has been pre	pared by following DPD (Directive 1999/45/EC) and	CLP Regulation (EC) No 1272/2008 regulations		
DPD classification <sup>[1]</sup> :				
R67 Vapours may cause d	rowsiness and dizziness.			
R11 Highly flammable.				
Legend: 1. Classified by Chemwatch; 2. Clas	ssification drawn from EC Directive 67/548/EEC - A	nnex I; 3. Classification drawn from EC Directive 1272/20	008 - Annex VI	
Classification according to regulation (EC	C) No 1272/2008 [CLP] <sup>[1]</sup> :			
STOT - SE (Narcosis) Category 3, Flammabl				
		nnov I: 2. Classification drawn from EC Directive 4070 bi	008 Appox 1//	
	Sandauon drawn nonn eo Directive 67/346/EEC - A	nnex I; 3. Classification drawn from EC Directive 1272/20		
2.2. Label elements				
CLP label elements				

Signal word:

DANGER

Hazard statement(	s):			
H225	Highly flammable liquid and vapour			
H336	May cause drowsiness or dizziness			
Supplementary sta	tement(s):			
Not Applicable				
Precautionary state	ement(s): Prevention			
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.			
P233	Keep container tightly closed.			
P240	Ground/bond container and receiving equipment.			
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.			
P242	Use only non-sparking tools.			
P243	Take precautionary measures against static discharge.			
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.			
P271	Use only outdoors or in a well-ventilated area.			
P280	Wear protective gloves/protective clothing/eye protection/face protection.			
Precautionary state	ement(s): Response			
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing.			
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.			
P312	Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.			
P370+P378	In case of fire: Use to extinguish.			
Precautionary state	ement(s): Storage			
P403+P233	Store in a well-ventilated place.			
P403+P235	Store in a well-ventilated place.			
P405	Store locked up.			
Precautionary state	ement(s): Disposal			

P501 Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration

#### DSD / DPD label elements



Relevant risk statements are found in section 2.1

Safety advice	Safety advice:		
S02	Keep out of reach of children.		
S09	Keep container in a well ventilated place.		
S16	Keep away from sources of ignition.		
S23	Do not breathe gas/fumes/vapour/spray.		
S29	Do not empty into drains.		
S33	Take precautionary measures against static discharges.		
S41	In case of fire and/or explosion, DO NOT BREATHE FUMES.		
S43	In case of fire use		
S51	Use only in well ventilated areas.		
S56	Dispose of this material and its container at hazardous or special waste collection point.		

2.3. Other hazards

Inhalation, skin contact and/or ingestion may produce health damage\*.

May produce discomfort of the eyes, respiratory tract and skin\*.

Cumulative effects may result following exposure\*.

# **SECTION 3 Composition / information on ingredients**

# 3.1. Substances

See 'Composition on ingredients' in Section 3.2				
3.2. Mixtures				
1. CAS No 2. EC No 3. Index No 4. REACH No	%[weight]	Name	Classification according to directive 67/548/EEC [DSD]	Classification according to regulation (EC) No 1272/2008 [CLP]
1. 64-17-5 2. 200-578-6 3. 603-002-00-5 4. 01-2119457610-43-XXXX	>50	ethanol	R11 <sup>[2]</sup>	Flam. ; H225 <sup>[3]</sup>
1. 107-98-2 2. 203-539-1, 216-455-5, 215-306-1 3. 603-064-00-3, 603-106-00-0 4. 01-2119457435-35-XXXX	10-25	propylene glycol monomethyl ether - alpha isomer	R11 <sup>[2]</sup>	Flam. , STOT SE 3, Repr. , Skin Irrit. , Eye Dam. ; H226, H336, H360D ***, H335, H315, H318 <sup>[3]</sup>

3.603-117-00-0

4.01-2119457558-25-XXXX

2.5-10 isopropanol

R11, R36, R67<sup>[2]</sup>

Legend: 1, Classified by Chemwatch: 2, Classification drawn from EC Directive 67/548/EEC - Annex I: 3, Classification drawn from EC Directive 1272/2008 - Annex VI

#### **SECTION 4 First aid measures**

#### 4.1. Description of first aid measures

#### General:

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor.
- If swallowed do NOT induce vomiting
- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.

· Seek medical advice.

- If this product comes in contact with the eyes:
  - · Wash out immediately with fresh running water.
  - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
  - · Seek medical attention without delay; if pain persists or recurs seek medical attention.
  - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
- For acute or short term repeated exposures to ethanol:
  - Acute ingestion in non-tolerant patients usually responds to supportive care with special attention to prevention of aspiration, replacement of fluid and correction of nutritional deficiencies (magnesium, thiamine pyridoxine, Vitamins C and K).
  - Give 50% dextrose (50-100 ml) IV to obtunded patients following blood draw for glucose determination.
  - · Comatose patients should be treated with initial attention to airway, breathing, circulation and drugs of immediate importance (glucose, thiamine).
  - Decontamination is probably unnecessary more than 1 hour after a single observed ingestion. Cathartics and charcoal may be given but are probably not effective in single ingestions.
  - · Fructose administration is contra-indicated due to side effects.

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

#### Eye Contact:

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- · Seek medical attention without delay; if pain persists or recurs seek medical attention.
- · Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

#### Skin Contact:

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

#### Inhalation:

- If fumes or combustion products are inhaled remove from contaminated area.
- · Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor.

#### Ingestion:

#### • If swallowed do NOT induce vomiting.

- If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- · Observe the patient carefully.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- · Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Seek medical advice

4.2 Most important symptoms and effects, both acute and delayed

#### See Section 11

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

For acute or short term repeated exposures to ethanol:

- · Acute ingestion in non-tolerant patients usually responds to supportive care with special attention to prevention of aspiration, replacement of fluid and correction of nutritional deficiencies (magnesium, thiamine pyridoxine, Vitamins C and K).
- Give 50% dextrose (50-100 ml) IV to obtunded patients following blood draw for glucose determination.
- Comatose patients should be treated with initial attention to airway, breathing, circulation and drugs of immediate importance (glucose, thiamine).
- Decontamination is probably unnecessary more than 1 hour after a single observed ingestion. Cathartics and charcoal may be given but are probably not effective in single ingestions.
- Fructose administration is contra-indicated due to side effects.

# SECTION 5 Firefighting measures

#### 5.1. Extinguishing media

#### Alcohol stable foam.

5.2. Special hazards arising from the substrate or mixture

#### Fire Incompatibility:

· Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

# 5.3. Advice for firefighters

#### Fire Fighting:

· Alert Fire Brigade and tell them location and nature of hazard.

#### Fire/Explosion Hazard:

# 6.1. Personal precautions, protective equipment and emergency procedures See section 8 See section 12 6.3. Methods and material for containment and cleaning up Minor Spills: • Remove all ignition sources. Major Spills: • Clear area of personnel and move upwind. 6.4. Reference to other sections Personal Protective Equipment advice is contained in Section 8 of the MSDS. **SECTION 7 Handling and storage**

# 7.1. Precautions for safe handling

# Safe handling

DO NOT

# Fire and explosion protection

See section 5

# Other information

• Store in original containers in approved flame-proof area.

7.2. Conditions for safe storage, including any incompatibilities

## Suitable container:

• Packing as supplied by manufacturer.

#### Storage incompatibility:

• Avoid oxidising agents, acids, acid chlorides, acid anhydrides, chloroformates.

#### Package Material Incompatibilities:

7.3. Specific end use(s)

See section 1.2

#### **SECTION 8 Exposure controls / personal protection**

8.1. Control parameters

Derived No Effect Level (DNEL)							
Exposure Pattern	Workers			General Populatio	n		
Long term - dermal, systemic effect	cts Not Availabl	e		Not Available			
Long term - inhalation, systemic e	ffects Not Availabl	e		Not Available			
Long term - oral, systemic effects	Not Availabl	e		Not Available			
Long term - dermal, local effects	Not Availabl	e		Not Available			
Long term - inhalation, local effect	ts Not Availabl	e		Not Available			
Short term - dermal, systemic effe	cts Not Availabl	e		Not Available			
Short term - inhalation, systemic e	effects Not Availabl	e		Not Available			
Short term - oral, systemic effects	Not Availabl	e		Not Available			
Short term - dermal, local effects	Not Availabl	e		Not Available			
Short term - inhalation, local effect	ts Not Availabl	e		Not Available			
Predicted No Effect Level (PNEC)							
Compartment			Value				
Fresh Water			Not Applicable	e			
Marine Water			Not Applicable	e			
Aqua			Not Applicable	e			
Fresh water sediment			Not Applicable	Э			
Marine water sediment			Not Applicable	e			
Soil			Not Applicable	Э			
STP			Not Applicable	e			
ORAL			Not Applicable	e			
Occupational Exposure Limits (Of	EL)						
INGREDIENT DATA							
Source	Ingredient	Material name		TWA	STEL	Peak	Notes
UK Workplace Exposure Limits (WELs)	ethanol	Ethanol		1920 (mgm3) / 1000 (ppm)	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs)	propylene glycol monomethyl e alpha isomer	ther - 1-Methoxypropan-2-	ol	375 (mgm3) / 100 (ppm)	560 (mgm3) / 150 (ppm)	Not Available	Sk

European Union (EU) First List of Indicative Occupational Exposure Limit Values (IOELVs) (English)	propylene glycol monomethyl ether - alpha isomer	1-Methoxypropanol-2	375 (mgm3) / 100 (ppm)	568 (mgm3) / 150 (ppm)	Not Available	Skin
EU Consolidated List of Indicative Occupational Exposure Limit Values (IOELVs)	propylene glycol monomethyl ether - alpha isomer	1-Methoxypropan-2-ol	375 (mgm3) / 100 (ppm)	568 (mgm3) / 150 (ppm)	Not Available	Skin
UK Workplace Exposure Limits (WELs)	isopropanol	Propan-2-ol	999 (mgm3) / 400 (ppm)	1250 (mgm3) / 500 (ppm)	Not Available	Not Available
Emergency Limits						
Ingredient	TEEL-0	TEEL-1	TEEL-2		TEEL-3	
ethanol	1000(ppm)	3000(ppm)	3300(ppm)		3300(ppm)	
propylene glycol monomethyl ether - alpha isomer	100(ppm)	150(ppm)	300(ppm)		750(ppm)	
isopropanol	400(ppm)	400(ppm)	2000(ppm)		2000(ppm)	
Ingredient	Original ID	LH		Revised IDLH		
ethanol	15,000(ppm	)		3,300 [LEL](ppm)		
isopropanol	12,000(ppm	)		2,000 [LEL](ppm)		

8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.

#### 8.2.2. Personal protection



Eye and face protection:

· Safety glasses with side shields.

#### Skin protection:

See Hand protection below

#### Hand protection:

• Wear chemical protective gloves, e.g. PVC.

Body protection:

See Other protection below

### Other protection:

Overalls

#### Thermal hazards:

#### Recommended material(s):

#### GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the: 993498 Lyreco Whiteboard Marker C/Tip Green

Material	CPI
NEOPRENE	A
NITRILE	В
PVC	В

\* CPI - Chemwatch Performance Index

#### **Respiratory protection:**

Type A Filter of sufficient capacity.

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

Required minimum protection factor	Maximum gas/vapour concentration present in air p.p.m. (by volume)	Half-face Respirator	Full-Face Respirator
up to 10	1000	A-AUS / Class1	-
up to 50	1000	-	A-AUS / Class 1
up to 50	5000	Airline *	-
up to 100	5000	-	A-2
up to 100	10000	-	A-3
100+			Airline**

\* - Continuous Flow \*\* - Continuous-flow or positive pressure demand

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 deqC)

#### 8.2.3. Environmental exposure controls

See section 12

## **SECTION 9 Physical and chemical properties**

9.1. Information on basic physical and chemical properties

#### Appearance

Green highly flammable liquid with a characteristic odour; mixes with water.

Physical state	Liquid	Relative density (Water = 1)	0.860
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	287 (ignition temp.)
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	8
Initial boiling point and boiling range (°C)	78	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	13	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available

Upper Explosive Limit (%)	15.0	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	1.7	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	5.9	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution(1%)	Not Available
Vapour density (Air = 1)	Not Available		

9.2. Other information

Not Available

0.1. Reactivity:	
See section 7.2	
0.2. Chemical stability:	
Presence of incompatible materials.	
0.3. Possibility of hazardous reactions:	
See section 7.2	
0.4. Conditions to avoid:	
See section 7.2	
0.5. Incompatible materials:	
See section 7.2	
0.6. Hazardous decomposition products:	

# **SECTION 11 Toxicological information**

11.1. Information on toxicological effects

#### Inhaled:

Inhalation of vapours may cause drowsiness and dizziness.

#### Ingestion:

Accidental ingestion of the material may be damaging to the health of the individual.

#### Skin Contact:

Skin contact with the material may damage the health of the individual; systemic effects may result following absorption.

#### Eye:

Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals.

#### Chronic:

Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.

TOXICITY	IRRITATION
993498 Lyreco Whiteboard Marker C/Tip Green	
Not Available	Not Available
ethanol	
Inhalation (rat) LC50: 20,000 ppm/10h	Eye (rabbit): 500 mg SEVERE
Inhalation (rat) LC50: 64000 ppm/4h	Eye (rabbit):100mg/24hr-moderate
Oral (rat) LD50: 7060 mg/kg	Skin (rabbit):20 mg/24hr-moderate
	Skin (rabbit):400 mg (open)-mild
Not Available	Not Available
propylene glycol monomethyl ether - alpha isomer	
Dermal (rabbit) LD50: 13000 mg/kg	Eye (rabbit) 230 mg mild
Inhalation (rat) LC50: 10000 ppm/5 h.	Eye (rabbit) 500 mg/24 h.
Oral (rat) LD50: 3739 mg/kg	Eye (rabbit): 100 mg SEVERE
	Skin (rabbit) 500 mg open - mild
Not Available	Not Available
isopropanol	
Dermal (rabbit) LD50: 12800 mg/kg	Eye (rabbit): 10 mg - moderate
Inhalation (Mouse) LC50: 53000 mg/m3/4h	Eye (rabbit): 100 mg - SEVERE
Inhalation (Rat) LC50: 72600 mg/m3/4h	Eye (rabbit): 100mg/24hr-moderate
Intraperitoneal (Guinea pig) LD50: 2560 mg/kg	Skin (rabbit): 500 mg - mild
Intraperitoneal (Mouse) LD50: 4477 mg/kg	
Intraperitoneal (Rabbit) LD50: 667 mg/kg	
Intraperitoneal (Rat) LD50: 2735 mg/kg	
Intravenous (Mouse) LD50: 1509 mg/kg	
Intravenous (Rabbit) LD50: 1184 mg/kg	
Intravenous (Rat) LD50: 1088 mg/kg	
Oral (Mouse) LD50: 3600 mg/kg	
Oral (Rabbit) LD50: 6410 mg/kg	
Oral (Rat) LD50: 5000 mg/kg	
Oral (rat) LD50: 5045 mg/kg	
Not Available	Not Available
* Value obtained from manufacturer's msds	
993498 Lyreco Whiteboard Marker C/Tip Green	
No significant acute toxicological data identified in literature search.	

ETHANOL

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic).

### PROPYLENE GLYCOL MONOMETHYL ETHER - ALPHA ISOMER

for propylene glycol ethers (PGEs):

NOTE: For PGE - mixed isomers: Exposure of pregnant rats and rabbits to the substance did not give rise to teratogenic effects at concentrations up to 3000 ppm.

ISOPROPANOL				
For isopropanol (IPA):				
Acute Toxicity:	Not Applicable	Carcinogenicity:	Not Applicable	
Skin Irritation/Corrosion:	Not Applicable	Reproductivity:	Not Applicable	
Serious Eye Damage/Irritation:	Not Applicable	STOT - Single Exposure:	STOT - SE (Narcosis) Category 3	
Respiratory or Skin sensitisation:	Not Applicable	STOT - Repeated Exposure:	Not Applicable	
Mutagenicity:	Not Applicable	Aspiration Hazard:	Not Applicable	
CMR STATUS				
SKIN				
propylene glycol monomethyl ether - alpha isomer		European Union (EU) First List of Indicative Occupational Exposure Limit Values (IOELVs) - Skin		Skin

SECTION 12 Ecologi	cal information	
12.1. Toxicity		
DO NOT		
12.2. Persistence and	degradability	
Ingredient	Persistence: Water/Soil	

Not Available	Not Available	Not Ava	Not Available		
12.3. Bioaccumulative potential					
Ingredient	Bioaccumulation				
Not Available	Not Available				
12.4. Mobility in soil	12.4. Mobility in soil				
Ingredient	Mobility				
Not Available	Not Available				
12.5. Results of PBT and vPvB assessment					
	Ρ	В	т		
Relevant available data	Not Available	Not Available	Not Available		
PBT and vPvB Criteria fulfilled?	Not Available	Not Available	Not Available		
12.6. Other adverse effects					

Persistence: Air

No data available

#### SECTION 13 Disposal considerations

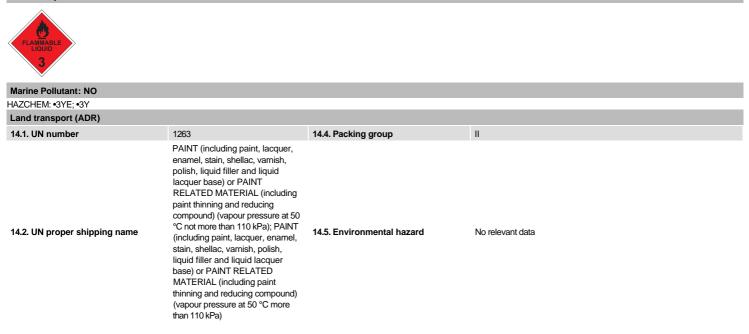
#### Product / Packaging disposal:

• Recycle wherever possible or consult manufacturer for recycling options. Waste treatment options: Sewage disposal options:

No relevant data

#### **SECTION 14 Transport information**

Labels Required:



			Hazard identification (Kemler)	33
14.3. Transport hazard class(es)			Classification code	F1
	Class: 3 Subrisk:	14.6. Special precautions for user	Hazard Label	3
	Sublisk.		Special provisions	163 640D 650; 163 640C 650
			limited quantity	5 L
Air transport (ICAO-IATA / DGR)				
14.1. UN number	1263	14.4. Packing group	П	
14.2. UN proper shipping name	Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base); Paint related material (including paint thinning or reducing compounds)	14.5. Environmental hazard	No relevant data	
			Special provisions:	A3A72
			Cargo Only Packing Instructions:	364
	ICAO/IATA Class: 3		Cargo Only Maximum Qty / Pack:	60 L
14.3. Transport hazard class(es)	ICAO / IATA Subrisk:	14.6. Special precautions for user	Passenger and Cargo Packing Instructions:	353
	ERG Code: 3L		Passenger and Cargo Maximum Qty / Pack:	5 L
			Passenger and Cargo Limited Quantity Packing Instructions:	Y341
			Passenger and Cargo Maximum Qty / Pack:	1 L
Sea transport (IMDG-Code / GGVSee)	<u> </u>			
14.1. UN number	1263	14.4. Packing group	П	
14.2. UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	14.5. Environmental hazard	No relevant data	
			EMS Number:	F-E,S-E
14.3. Transport hazard class(es)	IMDG Class: 3	14.6. Special precautions for user	Special provisions:	163
	IMDG Subrisk:		Limited Quantities:	5 L
Inland waterways transport (ADN)				
14.1. UN number	1263	14.4. Packing group	Н	
	PAINT (including paint, lacquer,			
14.2. UN proper shipping name	enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa)	14.5. Environmental hazard	No relevant data	
14.2. UN proper shipping name	polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more	14.5. Environmental hazard	Classification code	C9; F1
	polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more		Classification code Limited quantity	1 L; 5 L
14.2. UN proper shipping name 14.3. Transport hazard class(es)	polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa)	14.5. Environmental hazard 14.6. Special precautions for user	Classification code	,
14.3. Transport hazard class(es)	polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa) <u>3:</u>	14.6. Special precautions for user	Classification code Limited quantity Equipment required	1 L; 5 L PP, EP; PP, EX, A
14.3. Transport hazard class(es) Transport in bulk according to Annex	polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa) <u>3</u> : <b>11 of MARPOL 73 / 78 and the IBC c</b>	14.6. Special precautions for user	Classification code Limited quantity Equipment required	1 L; 5 L PP, EP; PP, EX, A 0; 1
14.3. Transport hazard class(es) Transport in bulk according to Annex Source	polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa) <u>3:</u>	14.6. Special precautions for user	Classification code Limited quantity Equipment required Fire cones number	1 L; 5 L PP, EP; PP, EX, A
14.3. Transport hazard class(es) Transport in bulk according to Annex	polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C more than 110 kPa); PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) (vapour pressure at 50 °C not more than 110 kPa) <u>3</u> : <b>11 of MARPOL 73 / 78 and the IBC c</b>	14.6. Special precautions for user	Classification code Limited quantity Equipment required Fire cones number Residual Concentration - Outside	1 L; 5 L PP, EP; PP, EX, A 0; 1

#### SECTION 15 Regulatory information

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

#### ethanol(64-17-5) is found on the following regulatory lists

"World Anti-Doping Agency - The 2009 Prohibited List World Anti-Doping Code - Substances Prohibited in Particular Sports (French)", "World Anti-Doping Agency - The 2012 Prohibited List World Anti-Doping Code - Substances Prohibited in Particular Sports (French)", "World Anti-Doping Agency - The 2012 Prohibited List World Anti-Doping Code - Substances - List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO", "World Anti-Doping Agency - The 2009 Prohibited List World Anti-Doping Code - Substances Prohibited List World Anti-Doping Agency - The 2009 Prohibited List World Anti-Doping Code - Substances Prohibited List World Anti-Doping Agency - The 2009 Prohibited List World Anti-Doping Code - Substances Prohibited List World Anti-Doping Agency - The 2009 Prohibited in Competition (German)", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "International Air

Transport Association (IATA) Dangerous Goods Regulations", "FisherTransport Information", "Sigma-AldrichTransport Information", "Acros Transport Information", "IMO MARPOL 73/78 (Annex II) -List of Other Liquid Substances"."IOFI Global Reference List of Chemically Defined Substances"."International Fragrance Association (IFRA) Survey: Transparency List"."FEMA Generally Recognized as Safe (GRAS) Flavoring Substances 23 - Examples of FEMA GRAS Substances with Non-Flavor Functions", "OECD List of High Production Volume (HPV) Chemicals", "International Council of Chemical Associations (ICCA) - High Production Volume List", "IMO IBC Code Chapter 18: List of products to which the Code does not apply", "UK Workplace Exposure Limits (WELs)", "European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31", "Europe ECHA Registered Substances - Classification and Labelling - GHS", "Europe European Chemicals Agency (ECHA) List of Registered Substances", "Europe European Chemicals Agency (ECHA) List of Registered Phase-in Substances","Europe European Chemicals Agency (ECHA) List of substances identified for registration in 2010","Europe European Chemicals Agency (ECHA) REACH Registration Numbers", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Chemwatch Harmonised classification", "Europe Substances Listed in EU Directives on Plastics in Contact with Food", "European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI", "European Union (EU) Inventory of Ingredients used in Cosmetic Products", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Notified classification and labelling according to CLP criteria", "Europe Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food - Annex I: Substances", "European Union (EU) Inventory of Fragrance Ingredients (Perfume and Aromatic Raw Materials)","EU list of flavouring substances which can be used in food -Regulation EU 872/2012", "European Union Register of Feed Additives pursuant to Regulation (EC) No 1831/2003 - Annex I: List of Additives", "Europe SCCNFP First Update of the Inventory of Ingredients Employed in Cosmetic Products - Section II: Perfume and Aromatic Raw Materials", "Europe European Commission Database of flavouring substances", "Europe ECHA Registered Substances - Classification and Labelling - DSD-DPD", "Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (English)","International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "International Maritime Dangerous Goods Requirements (IMDG Code)", "UK Dangerous Goods Emergency Action Code List 2013", "ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways","EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles", "European Union (EU) Directive 2012/18/EU of 4 July 2012 on the control of major-accident hazards involving dangerous substances", "UK The Environmental Protection (Prescribed Processes and Substances) Regulations 1991 - Release into Land Prescribed Substances", "European Union (EU) Directive 2008/1/EC concerning integrated pollution prevention and control, Annex III","UK Pollution Inventory - Form PI-3 (EPRTR): Pollution Inventory reporting - E-PRTR - Part 2 Releases to air","UK Pollution Inventory - Form PI-2: Pollution Inventory reporting - Part 2 Releases to air","UK Pollution Inventory - Form PI-1: Pollution Inventory reporting - Part 2 Releases to air", "Scotland Pollution Inventory", "Europe Pollutant Release and Transfer Register (E-PRTR) (166/2006) - Threshold Quantities", "Europe Pollutant Emission Register (EPER) (2000/479/EC) - Threshold Quantities", "IMO IBC Code Chapter 17: Summary of minimum requirements","OSPAR National List of Candidates for Substitution - Norway"

#### propylene glycol monomethyl ether - alpha isomer(107-98-2) is found on the following regulatory lists

"FisherTransport Information", "Sigma-AldrichTransport Information", "International Fragrance Association (IFRA) Survey: Transparency List", "OECD List of High Production Volume (HPV) Chemicals", "International Council of Chemical Associations (ICCA) - High Production Volume List", "UK Workplace Exposure Limits (WELs)", "Europe ECHA Registered Substances Classification and Labelling - DSD-DPD", "European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31", "Europe SCCNFP First Update of the Inventory of Ingredients Employed in Cosmetic Products - Section II: Perfume and Aromatic Raw Materials", "European Union (EU) Inventory of Fragrance Ingredients (Perfume and Aromatic Raw Materials)","European Chemical Agency (ECHA) Classification & Labelling Inventory - Notified classification and labelling according to CLP criteria", "European Union (EU) Inventory of Ingredients used in Cosmetic Products","European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures -Annex VI", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Chemwatch Harmonised classification", "Europe European Chemicals Agency (ECHA) REACH Registration Numbers", "Europe European Chemicals Agency (ECHA) List of substances identified for registration in 2010","European Trade Union Confederation (ETUC) Priority List for REACH Authorisation","Chemwatch Candidate List of Very High Concern - List of Substance Subject to Authorization","Europe European Chemicals Agency (ECHA) List of Registered Phase-in Substances", "Europe European Chemicals Agency (ECHA) List of Registered Substances", "Europe ECHA Registered Substances - Classification and Labelling - GHS", "EU Consolidated List of Indicative Occupational Exposure Limit Values (IOELVs)", "Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (English)","International Air Transport Association (IATA) Dangerous Goods Regulations","International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index","International Maritime Dangerous Goods Requirements (IMDG Code)","UK Dangerous Goods Emergency Action Code List 2013","ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways", "International Chemical Secretariat (ChemSec) SIN List (\*Substitute It Now!)", "European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances (updated by ATP: 31) - Reprotoxic Substances", "EU Cosmetic Directive 76/768/EEC Annex II: List of Substances which must not form part of the Composition of Cosmetic Products (English)","EU Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products Annex II - List of Substances Prohibited in Cosmetic Products","EU REACH Regulation (EC) No 1907/2006 - Annex XVII (Appendix 6) Toxic to reproduction: category 1B (Table 3.1)/category 2 (Table 3.2)","Europe AeroSpace and Defence Industries Association of Europe (ASD) REACH Implementation Working Group Priority Declarable Substances List (PDSL)","EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles","European Union (EU) Directive 2012/18/EU of 4 July 2012 on the control of major-accident hazards involving dangerous substances", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "OSPAR National List of Candidates for Substitution - Norway", "UK The Environmental Protection (Prescribed Processes and Substances) Regulations 1991 - Release into Land Prescribed Substances", "European Union (EU) Directive 2008/1/EC concerning integrated pollution prevention and control, Annex III", "EU Council Directive 98/83/EC on the quality of water intended for human consumption - Chemical Parameters","IMO IBC Code Chapter 17: Summary of minimum requirements"

#### isopropanol(67-63-0) is found on the following regulatory lists

"IMO Provisional Categorization of Liquid Substances - List 2: Pollutant only mixtures containing at least 99% by weight of components already assessed by IMO", "GESAMP/EHS Composite List -GESAMP Hazard Profiles", "International Agency for Research on Cancer (IARC) - Agents Reviewed by the IARC Monographs", "FisherTransport Information", "Sigma-AldrichTransport Information", "Acros Transport Information","IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances", "IOFI Global Reference List of Chemically Defined Substances", "International Fragrance Association (IFRA) Survey: Transparency List","OECD List of High Production Volume (HPV) Chemicals","IMO IBC Code Chapter 18: List of products to which the Code does not apply","UK Workplace Exposure Limits (WELs)","European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31","Europe ECHA Registered Substances - Classification and Labelling - GHS", "Europe European Chemicals Agency (ECHA) List of Registered Substances", "Europe European Chemicals Agency (ECHA) List of Registered Phase-in Substances", "European Trade Union Confederation (ETUC) Priority List for REACH Authorisation", "Europe European Chemicals Agency (ECHA) List of substances identified for registration in 2010", "Europe European Chemicals Agency (ECHA) REACH Registration Numbers", "European Chemical Agency (ECHA) Classification & Labelling Inventory -Chemwatch Harmonised classification","Europe Substances Listed in EU Directives on Plastics in Contact with Food","European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI", "European Union (EU) Inventory of Ingredients used in Cosmetic Products", "European Chemical Agency (ECHA) Classification & Labelling Inventory - Notified classification and labelling according to CLP criteria", "Europe Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food - Annex I: Substances","European Union (EU) Inventory of Fragrance Ingredients (Perfume and Aromatic Raw Materials)","EU list of flavouring substances which can be used in food -Regulation EU 872/2012", "European Union Register of Feed Additives pursuant to Regulation (EC) No 1831/2003 - Annex I: List of Additives", "Europe SCCNFP First Update of the Inventory of Ingredients Employed in Cosmetic Products - Section II: Perfume and Aromatic Raw Materials","Europe European Commission Database of flavouring substances","Europe ECHA Registered Substances - Classification and Labelling - DSD-DPD", "Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (English)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "International Maritime Dangerous Goods Requirements (IMDG Code)", "UK Dangerous Goods Emergency Action Code List 2013", "ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways", "EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles", "European Union (EU) Directive 2012/18/EU of 4 July 2012 on the control of major-accident hazards involving dangerous substances", "UK The Environmental Protection (Prescribed Processes and Substances) Regulations 1991 - Release into Land Prescribed Substances", "European Union (EU) Directive 2008/1/EC concerning integrated pollution prevention and control, Annex III","IMO IBC Code Chapter 17: Summary of minimum requirements", "OSPAR National List of Candidates for Substitution - Norway"

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable -: 67/548/EEC, 1999/45/EC, 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Regulation (EU) No 453/2010, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and their amendments as well as the following British legislation: - The Control of Substances Hazardous to Health Regulations (COSHH) 2002 - COSHH Essentials - The Management of Health and Safety at Work Regulations 1999

#### 15.2. Chemical safety assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if available.

ECHA SUMMARY				
Ingredient	CAS number	Index No	ECHA Dossier	
ethanol	64-17-5	603-002-00-5	01-2119457610-43-XXXX	
Harmonisation (C&L Inventory)	Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)	
1	Flam. Liq. 2	GHS02, Dgr	H225	
2	Flam. Liq. 2, Eye Irrit. 2, Aquatic Chronic 2, STOT SE 3, Repr. 2, STOT RE 1, Not Classified, Skin Irrit. 2, Acute Tox. 4, STOT SE 2, Muta. 1B, Repr. 1A, Acute Tox. 3, STOT SE 1, Met. Corr. 1, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1	Dgr, GHS01, GHS09, GHS08, Wng, GHS06, GHS05	H225, H319, H411, H340, H304, H372, H315, H220, H360, H301, H311, H331, H370	
Ingredient	CAS number	Index No	ECHA Dossier	
propylene glycol monomethyl ether - alpha isomer	107-98-2	603-064-00-3, 603-106-00-0	01-2119457435-35-XXXX	

Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)
Flam. Liq. 3, STOT SE 3, Not Classified, Eye Irrit. 2, Skin Irrit. 2, Eye Dam. 1, Repr. 1B, Flam. Liq. 2	GHS02, Wng, GHS08, GHS03, GHS05, Dgr	H371, H225, H226, H315, H318, H360, H370
Flam. Liq. 3, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, Repr. 1B	GHS07, GHS02, Wng, GHS05, GHS08, Dgr	H226, H336, H315, H318, H335, H360
CAS number	Index No	ECHA Dossier
67-63-0	603-117-00-0	01-2119457558-25-XXXX
Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)
		H225, H319, H370, H340, H312, H302, H361, H373
Flam. Lig. 2, Eye Irrit. 2, STOT SE 3	GHS07, GHS02, Dgr	H225, H319, H336
	Flam. Liq. 3, STOT SE 3, Not Classified, Eye Irrit. 2, Skin Irrit. 2, Eye Dam. 1, Repr. 1B, Flam. Liq. 2 Flam. Liq. 3, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, Repr. 1B CAS number 67-63-0 Hazard Class and Category Code(s) Flam. Liq. 2, Eye Irrit. 2, STOT SE 3, STOT SE 1, Not Classified, Eye Irrit. 2A, Repr. 2, STOT RE 2, Flam. Liq. 3	Flam. Liq. 3, STOT SE 3, Not Classified, Eye Irrit. 2, Skin Irrit. 2, Eye Dam. 1, Repr. 1B, Flam. Liq. 2GHS02, Wng, GHS08, GHS03, GHS05, DgrFlam. Liq. 3Flam. Liq. 3, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, Repr. 1BGHS07, GHS02, Wng, GHS05, GHS08, DgrCAS numberIndex No67-63-0603-117-00-0Hazard Class and Category Code(s)Pictograms Signal Word Code(s)Flam. Liq. 2, Eye Irrit. 2, STOT SE 3, STOT SE 1, Not Classified, Eye Irrit. 2A, Repr. 2, STOT RE 2, Flam. Liq. 3GHS02, Dgr, GHS08, GHS03

#### SECTION 16 Other information

#### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

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