

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006  
Version 1.0  
Revision Date 20.08.2018  
Print Date 28.08.2018

**3T**Supplies AG

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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifiers

**Product name:** Peach windscreen coating  
**Article number:** PA112  
**MSDS Code:** Off0009-1e

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

**Identified uses:** Coating.  
**Uses advised against:** None known.

### 1.3 Details of the supplier of the safety data sheet

**Company:** 3T Supplies AG  
Chaltenbodenstrasse 6d  
CH-8834 Schindellegi  
Switzerland  
**Telephone:** +41 44 787 68 30  
**Fax:** +41 44 787 68 50  
**E-mail address:** [info@peach.info](mailto:info@peach.info)

### 1.4 Emergency telephone number

**Emergency Phone:** Switzerland:  
+41 44 787 68 30 (08:00-17:00 Central European Time)  
145(Only for Switzerland)  
+41 44-251-5151 (Swiss Toxicological Information Center)

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## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008

Flammable liquids, Category 2 H225  
Serious eye damage/eye irritation, Category 2 H319

### 2.2 Label elements

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

**Gefahrenpiktogramme:** GHS02 GHS07



**Signal word:** Danger

**Hazard statements:** H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

**Precautionary statements:** P210 Keep away from heat, hot surfaces, sparks, open

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	flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P280	Wear protective clothing, eye protection, protective gloves.
P303+	
P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+	
P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanol	(CAS-Nr.) 64-17-5 (EG-Nr.) 200-578-6 (EG Index-Nr.) 603-002-00-5 (REACH-Nr) 01-2119457610-43	>=90	Flam. Liq. 2, H225 Eye Irrit. 2, H319
butanone	(CAS-Nr.) 78-93-3 (EG-Nr.) 201-159-0 (EG Index-Nr.) 606-002-00-3 (REACH-Nr) 01-2119457290-43	1-2,5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Ethanol	(CAS-Nr.) 64-17-5 (EG-Nr.) 200-578-6 (EG Index-Nr.) 603-002-00-5 (REACH-Nr) 01-2119457610-43	( 50 =<C < 100) Eye Irrit. 2, H319

### Additional information:

Full text of classification: see section 16 (H-phrases)

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**General information:** In all cases of doubt, or when symptoms persist, seek medical attention.

**Inhalation:** Remove person to fresh air and keep comfortable for breathing.

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**Skin contact:** Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Rinse mouth out with water. Spit. Drink plenty of water. Do NOT induce vomiting. Vomiting: prevent asphyxia/aspiration pneumonia. Call a poison centre or a doctor if you feel unwell.

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

Symptoms/effects after inhalation: May cause respiratory irritation. Cough. Causes eyes to water.  
Symptoms/effects after eye contact: Eye irritation.

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

Treat symptomatically.

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## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media:** Water spray. Dry powder. Foam. Carbon dioxide.

**Unsuitable extinguishing media:** Strong water jet.

### 5.2 Special hazards arising from the substance or mixture

Fire hazard: Highly flammable liquid and vapour.

Hazardous decomposition products in case of fire: Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Vapours are heavier than air. Flash back possible over important distance

### 5.3 Advice for fire fighters

Firefighting instructions: Protect container with water spray.

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

General measures: Prohibit unauthorized persons. Do not smoke. Remove ignition sources. Wear breathing apparatus if exposed to vapours/dusts/aerosols

#### 6.1.1 For non-emergency personnel

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Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking.  
Avoid contact with skin and eyes.

## 6.1.2 For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

## 6.2 Environmental precautions

Prevent entry to sewers and public waters. Avoid sub-soil penetration.

## 6.3 Methods and materials for containment and cleaning up

Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite kieselguhr. powdered limestone. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters.

## 6.4 Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Precautions for safe handling

Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid aerosol building. Do not breathe spray, mist, vapours.

#### Hygiene measures:

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities Requirements for storage rooms and vessels

Technical measures: Ground/bond container and receiving equipment.

Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Heat and ignition sources: Keep away from heat and direct sunlight.

Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs. Strong oxidizing agent.

### 7.3. Specific end use(s)

Do not use: Aerosols.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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## 8.1 Control parameters

<b>butanone (78-93-3)</b>		
EU	Local name	Butanone
EU	IOELV TWA (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	300 ppm
United Kingdom	Local name	Butan-2-one (methyl ethyl ketone)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	899 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	300 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
<b>ethanol (64-17-5)</b>		
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	Regulatory reference	EH40. HSE

<b>butanone (78-93-3)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	1161 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	600 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	31 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	106 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	412 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	55.8 mg/l
PNEC aqua (marine water)	55.8 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	284.74 mg/kg dwt
PNEC sediment (marine water)	284.7 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	22.5 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	1000 kg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	709 mg/l
<b>ethanol (64-17-5)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m <sup>3</sup>
Long-term - local effects, inhalation	1900 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - local effects, inhalation	950 mg/m <sup>3</sup>
Long-term - systemic effects, oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.96 mg/l

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PNEC aqua (marine water)	0.79 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.63 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0.38 kg/kg food
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l

## 8.2. Exposure controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

### Hand protection:

Chemically resistant protective gloves. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear. The above-mentioned times are based on reference values as per EN 374. Under practical conditions (33°C – taking into account the body temperature), the maximum wearing time is to be limited to one-third. Do not use : leather, thick fabric gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Butyl rubber, Nitrile rubber (NBR)	6 (> 480 minutes)		3 (> 0.65)	EN 374

### Eye protection:

Wear closed safety glasses. EN 166

### Skin and body protection:

Wear suitable protective clothing. Solvent-resistant apron.

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143.

Device	Filter type	Condition	Standard
Breathing apparatus with filter	Type A - High-boiling (>65 °C) organic compounds	In case of unintentional release of substance, exceeding the occupational exposure limit value	EN 143

### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Wash hands before breaks and after work. Do not eat, drink or smoke when using this product. Do not breathe gas/vapour/aerosol. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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## 9.1 Information on basic physical and chemical properties

### Appearance:

Physical state: Liquid  
Colour: Colourless

**Odour:** Alcohol odour.

**Odour Threshold:** 80 ppm.

**pH:** 1-3 (500g/l; 20°C).

**Melting point/freezing point:** Not applicable/ No data available.

**Initial boiling point and boiling range:** 78°C

**Flash point:** <21°C

**Evaporation rate:** No data available.

### Upper/lower flammability or explosive limits:

Lower limit: 3.5 vol. %  
Upper limit: 15 vol. %

**Vapour pressure:** 57hPa Ethanol

**Vapour density:** No data available.

**Relative density:** No data available

**Density:** 0.8 (0.77-0.83) g/cm<sup>3</sup> (20°C)

**Water solubility:** Water: Slightly miscible

**Partition coefficient, n-octanol/water:** No data available.

**Auto-ignition temperature:** No data available.

**Decomposition temperature:** No data available.

**Viscosity (dynamic):** 1-10mPAs (20°C).

**Explosive properties:** In use, may form flammable/explosive vapour-air mixture.

**Oxidizing properties:** No data available.

**Ignition temperature:** No data available.

## 9.2 Other safety information

No additional information available.

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

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Highly flammable liquid and vapour.

## 10.2 Chemical stability

Stable under normal conditions.

## 10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

## 10.4 Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

## 10.5 Incompatible materials

No additional information available.

## 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute Toxicity (oral):	Not classified (Based on available data, the classification criteria are not met)
Acute Toxicity (dermal):	Not classified (Based on available data, the classification criteria are not met)
Acute Toxicity (inhalation):	Not classified (Based on available data, the classification criteria are not met)

butanone (78-93-3)	
LD50 oral rat	> 2000 mg/kg (OECD 423 method)
LD50 dermal rabbit	> 10 mg/l (male; (OECD 402 method)
ethanol (64-17-5)	
LD50 oral rat	10470 mg/kg (OECD 401 method)
LC50 inhalation rat (Vapours - mg/l/4h)	20000 mg/l/4h

Skin corrosion/irritation:	Not classified (Based on available data, the classification criteria are not met) pH-Wert: 1 - 3 (500g/l; 20°C)
Serious eye damage/irritation:	Causes serious eye irritation. pH-Wert: 1 - 3 (500g/l; 20°C)
Respiratory or skin sensitisation:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met)

ethanol (64-17-5)



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NOAEL (chronic, oral, animal/male, 2 years)	> 4400 mg/kg bodyweight (EPA OPPTS 870.4200)
NOAEL (chronic, oral, animal/female, 2 years)	> 4250 mg/kg bodyweight (EPA OPPTS 870.4200)

Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure: Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure: Not classified (Based on available data, the classification criteria are not met)

<b>butanone (78-93-3)</b>	
NOAEC (inhalation, rat, vapour, 90 days)	5041 ppmV/6h/Tag

Aspiration hazard: Not classified (Based on available data, the classification criteria are not met)

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Acute aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)

Chronic aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)

<b>butanone (78-93-3)</b>	
LC50 fish 1	2993 (≥ 0) mg/l (96h; Pimephales promelas; (OECD 203 method))
EC50 Daphnia 1	308 mg/l EC50 48h - Daphnia magna [mg/l]; (OECD 202 method))
EC50 72h algae (1)	1972 mg/l (72h; Pseudokirchneriella subcapitata; (OECD 201 method))
<b>ethanol (64-17-5)</b>	
LC50 fish 1	14200 mg/l (96 h; US EPA method E03-05)
LC50 fish 2	8140 mg/l Leuciscus idus (golden orfe)
EC50 Daphnia 1	5012 mg/l (48 h; ASTM E729-80)

### 12.2 Persistence and degradability

Biodegradable.

<b>butanone (78-93-3)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	98 % (28 d; OECD 301)
<b>ethanol (64-17-5)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	97 % (28 d)

### 12.3 Bioaccumulative potential

<b>butanone (78-93-3)</b>	
Log Pow	0.3 (40°C; (OECD 117 method))
<b>ethanol (64-17-5)</b>	
Log Kow	-0.31
Bioaccumulative potential	Bioaccumulation unlikely.

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## 12.4 Mobility in soil

ethanol (64-17-5)	
Ecology - soil	No additional information available.

## 12.5 Results of PBT and vPvB assessment.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

Component	
butanone (78-93-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ethanol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## 12.6 Other adverse effects

No additional information available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Waste treatment methods: Disposal must be done according to official regulations.  
European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment

Additional information: Flammable vapours may accumulate in the container.

European List of Waste (LoW) code: 08 01 11\* - waste paint and varnish containing organic solvents or other dangerous substances.

## 14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1 UN-number

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number – this product is not covered by the rules according to ADR, because the special provision (SV216) was applied.</b>				
1170	1170	1170	1170	1170

### 14.2 UN proper shipping name






ADR	IMDG	IATA	ADN	RID
<b>14.2. UN proper shipping name</b>				
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
<b>Transport document description</b>				
UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)

### 14.3 Transport hazard class(es)

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ADR	IMDG	IATA	ADN	RID
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
				

## 14.4 Packing group

ADR	IMDG	IATA	ADN	RID
<b>14.4. Packing group</b>				
II	II	II	II	II

## 14.5 Environmental hazards

ADR	IMDG	IATA	ADN	RID
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

## 14.6 Special precautions for user

### - Overland transport

Classification code (ADR) : F1  
 Special provisions (ADR) : 144, 601  
 Limited quantities (ADR) : 1I  
 Excepted quantities (ADR) : E2  
 Transport category (ADR) : 2 Hazard identification number (Kemler No.): 33  
 Orange plates :



Tunnel restriction code (ADR) : D/E

### - Transport by sea

Special provisions (IMDG) : 144  
 Limited quantities (IMDG) : 1L  
 Excepted quantities (IMDG) : E2  
 EmS-No. (Fire) : F-E  
 EmS-No. (Spillage) : S-D

### - Air transport

PCA Excepted quantities (IATA) : E2  
 PCA Limited quantities (IATA) : Y341  
 PCA limited quantity max net quantity (IATA) : 1L  
 PCA packing instructions (IATA) : 353  
 PCA max net quantity (IATA) : 5L  
 CAO max net quantity (IATA) : 60L  
 Special provisions (IATA) : A3, A58, A180

### - Inland waterway transport

Classification code (ADN) : F1

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Special provisions (ADN) : 144, 601  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E2  
Carriage permitted (ADN) : T

#### - Rail transport

Classification code (RID) : F1  
Special provisions (RID) : 144, 601  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E2  
Transport category (RID) : 2  
Hazard identification number (RID) : 33

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

Not applicable.

## 15. REGULATORY INFORMATION

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

#### 15.1.1. EU-regulations

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	butanone
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Nanoflex®VP12 - butanone - ethanol
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7	Nanoflex®VP12 - butanone - ethanol
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	butanone

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations:

Take note of Directive 94/33/EC on the protection of young people at work

Directive 2012/18/EU (SEVESO III):

P5c FLAMMABLE LIQUIDS  
Flammable liquids, Categories 2 or 3 not covered by P5a and P5b

#### 15.1.2. National Regulations

##### United Kingdom

National regulations:

Take note of Directive 94/33/EC on the protection of young people at work.

#### 15.2. Chemical safety assessment

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Chemical safety assessments for substances in this preparation were not carried out.

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## 16. OTHER INFORMATION

### Full text of H-Statements referred to section 3.

Eye Irrit.: Eye irritation  
Flam. Liq.: Flammable liquid  
STOT SE: Specific target organ toxicity - single exposure

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The users working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. It does not represent any guarantee of the properties of the product. 3T Supplies AG and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

### List of abbreviations and acronyms that may be but not necessarily used in this safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADNR: Regulation on the transport of dangerous goods on the Rhine  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE: Acute Toxicity Estimate  
BCF: Bioconcentration factor  
DMEL: Derived Minimal Effect level  
DNEL: Derived No Effect Level  
BEI: Biologischer Expositionindex  
BAT: Biologischer Arbeitsstoff-Toleranzwert (biological tolerance value)  
CAS: Chemical Abstracts Service  
CMR: Carcinogenic, Mutagenic or Toxic for Reproduction  
Ecxx: Effective Concentration  
FG: food grade  
GHS: Harmonized System of Classification and Labeling of Chemicals  
H-Phrase: H-statement  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation International Air Transport Association  
ICAO: International Civil Aviation Organization  
ICAO-TI (ICAO): International Civil Aviation Organization  
IC: Inhibitory Concentration  
IMDG: International Maritime Code for Dangerous Goods  
ISO: International Organization for Standardization  
LC: Lethal Concentration  
LD: Lethal Dose  
LOAEL : Lowest Observed Adverse Effect Level

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 1.0

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**3T**Supplies AG

logPow: Octanol / water partition coefficient

OECD: Organization for Economic Co-operation and Development)

AGW: Arbeitsplatzgrenzwert (N.O.S.)

PBT: Persistent, bioaccumulative and toxic

PEC: Predicted Effect Concentration

PEL: Permissible Exposure Limits

PNEC: Predicted No Effect Concentration

PSA: Persönliche Schutzausrüstung

P-Phrases: P-statement

NOAEC: No-Observed Adverse Effect Concentration

NOEL: No Observed Effect Level

NOAEL: No Observed Adverse Effect Level

NOEC: No-Observed Effect Concentration

OECD: Organisation for Economic Co-operation and Development

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL: Short-term exposure limit

STOT: Specific Target Organ Toxicity

STP: Sewage treatment plant

TLM: Median Tolerance Limit

TLV: Threshold Limit Value

TWA: Time-weighted average

vPvB: Very Persistent and Very Bioaccumulative

WEL: Workplace Exposure Level

MAK: Maximale Arbeitsstoffkonzentration (maximum workplace concentration)

KZGW: Kurzzeitgrenzwert (short term value)

CLP: Classification, Labelling and Packaging

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Concerning the International Transport of Dangerous Goods by Rail

WGK: Deutsche Wassergefährdungsklasse (German water hazard class)

AUVA: Allgemeine Unfallversicherungsanstalt, Austria

FIOH: Finnish Institute of Occupational Health, Finland

HSL: Health and Safety Laboratory, Great Britain

INRS: Institut National de Recherche et de Sécurité, France

ITM : Institute for Applied Environmental Research, Air Pollution Laboratory, Sweden

INSHT: Instituto Nacional de Seguridad e Higiene en el Trabajo, Spain

NIOSH: National Institute for Occupational Safety and Health, USA

NIOM: Nofer Institute of Occupational Medicine, Poland

NFSZ: Nemzeti Munkaügyi Hivatal, Hungary

SUVA: Schweizerische Unfallversicherung, Switzerland

DFG: Deutsche Forschungsgemeinschaft (Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area), Germany