



<b>SECTION 1: IDENTIFICATION</b>	
<b>1.1 Product identifier</b>	
<b>Product name:</b>	Osumnia Ear Gel for Dogs
<b>Synonyms:</b>	Not Available
<b>Proper Shipping name:</b>	Not Available
<b>Other means of identification:</b>	None
<b>1.2 Relevant identified uses of the substances or mixture and uses advised against</b>	
<b>Recommended uses:</b>	Corticosteroid and anti-infective ear gel for dogs
<b>Uses advised against:</b>	Not for human use.
<b>1.3 Details of the supplier of the substance or mixture</b>	
<b>Registered company name (EU):</b>	Dechra Regulatory B.V.
<b>Address:</b>	Handelsweg 25 5531 AE Bladel The Netherlands
<b>Telephone:</b>	+31 (0)497 544 300
<b>Fax:</b>	+31 (0)497 544 302
<b>Website:</b>	<a href="http://www.dechra.com">www.dechra.com</a>
<b>Email:</b>	Not available
<b>Distributor name (Canada):</b>	Dechra Veterinary Products
<b>Address:</b>	1 Holiday Ave, East Tower, Suite 345 Pointe-Claire, QC H9R 5N3 Canada
<b>Telephone:</b>	+1 (855) 332-9334
<b>Website:</b>	<a href="http://www.dechra.ca">www.dechra.ca</a>
<b>Email:</b>	Not available
<b>Distributor name (US):</b>	Dechra Veterinary Products LLC
<b>Address:</b>	7015 College Blvd Suite 525 Overland Park KS 66211, USA
<b>Telephone:</b>	+1 866-933-2472

<b>Fax:</b>	Not available
<b>Website:</b>	<a href="http://www.dechra-us.com">www.dechra-us.com</a>
<b>Email:</b>	Not available
<b>1.4 Emergency Telephone Numbers</b>	
<b>Dechra (US):</b>	+1866-933-2472
<b>Dechra (EU):</b>	+31 (0)497 544 300

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

<b>Classification according to regulation (EC) No 1272/2008 [CLP] (EU)<sup>1</sup>:</b>	Serious eye damage/ eye irritation Cat 2; Reproductive toxicity (fertility) Cat 2 Hazardous to aquatic environment Cat 1
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### 2.2 Label Elements



**Signal Word:** **WARNING**

#### Hazard statement(s):

H319 Causes serious eye irritation  
 H361 Suspected of damaging fertility or the unborn child  
 H410 Very toxic to aquatic life with long lasting effects

#### Precautionary Statement(s) Prevention:

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P264 Wash thoroughly after handling.  
 P273 Avoid release to the environment  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary Statement(s) Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P313 IF exposed or concerned: Get medical advice/attention.

#### Precautionary Statement(s) Storage:

P405 Store locked up

<b>Precautionary Statement(s) Disposal:</b>
P501 Dispose of contents/container in accordance with local/regional/national/international regulations
<b>2.3 Other Hazard Information</b>
None

**SECTION 3: INFORMATION ON THE INGREDIENTS**

**3.1 Substances**

See section below for composition of mixtures

**3.2 Mixtures**

1.CAS No 2.EC Number 3.Index Number 4.REACH Number	% Weight	Name	Classification according to regulations (EC) No 1272/2008 [CLP] (EU)
1.108-32-7 2.203-572-1 3.607-194-00-1 4.01-2119537232-48-XXXX 01-0000018257-67-XXXX	50-75	Propylene carbonate	Eye Irritation Category 2; H319 [2]
1.56-81-5 2.200-289-5 3.Not Available 4.01-2119471987-18-XXXX	25-50	Glycerol formal	Skin Corrosion/Irritation Category 2, Eye Irritation Category 2, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation); H315, H319, H335 [1]
1.73231-34-2 2.Not Available 3.Not Available 4.Not Available	<1	Florfenicol	Acute Aquatic Hazard Category 1, Specific target organ toxicity - repeated exposure Category 2, Reproductive Toxicity Category 2, Chronic Aquatic Hazard Category 1; H400, H373, H361, H410 [1]



1.91161-71-6 2.Not Available 3.Not Available 4.01-2119979838-10-XXXX	<1	Terbinafine	Eye Irritation Category 2, Reproductive Toxicity Category 2, Specific target organ toxicity - repeated exposure Category 2, Chronic Aquatic Hazard Category 1, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation), Skin Corrosion/Irritation Category 2; H319, H361fd, H373, H410, H335, H315 [1]
1.987-24-6 2.213-578-6 3.Not Available 4.Not Available	<0.1	Betamethasone acetate	Reproductive Toxicity Category 2; H361 [1]
1.128-37-0 2.204-881-4 3.Not Available 4.01-2119480433-40-XXXX	<=0.1	BHT	Acute Aquatic Hazard Category 1, Reproductive Toxicity Category 2, Carcinogenicity Category 2, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation), Eye Irritation Category 2, Chronic Aquatic Hazard Category 1, Acute Toxicity (Oral) Category 4, Skin Corrosion/Irritation Category 2, Germ cell mutagenicity Category 2; H400, H361, H351, H335, H319, H410, H302, H315, H341 [1]
<b>Legend:</b>	1. Classified by Chemwatch; 2. Classification drawn from EC Directive 67/548/EEC - Annex I		

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>Eye contact:</b>	Accidental spillage on the eyes should be washed off immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, seek medical advice and show the package leaflet or the label to the medical practitioner.
<b>Skin contact:</b>	Accidental spillage on the skin should be washed off with plenty of soap and water. Remove contaminated clothes that are in direct contact with skin. If irritation occurs, seek medical advice and show the package leaflet or the label to the medical practitioner.



<b>Inhalation:</b>	Inhalation is highly unlikely due to the nature of the product and how it is packaged and administered. If irritation or difficulty in breathing occurs, seek urgent medical advice and show the package leaflet or the label to the medical practitioner. Remove the patient from the contaminated area. Lay the patient down, keep warm and rested.
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Remove material and give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Ingestion is highly unlikely due to the nature of the product and how it is packaged and administered. Get medical attention if symptoms occur.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
Causes serious eye irritation. Suspected of damaging fertility or the unborn child	
<b>4.3 Indication of immediate medical attention and special treatment needed</b>	
Treat symptomatically.	

<b>SECTION 5: FIRE FIGHTING MEASURES</b>	
<b>5.1 Extinguishing media</b>	
<b>Suitable:</b>	Water fog. Foam. Dry chemical powder Carbon dioxide
<b>Unsuitable:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2 Special hazards arising from the substance or mixture</b>	
<b>Fire incompatibility:</b>	None known.
<b>5.3 Special protective actions for fire-fighters:</b>	
<b>Firefighting:</b>	Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses DO NOT approach containers suspected to be hot. Equipment should be thoroughly decontaminated after use.
<b>Fire / explosion hazard:</b>	Non-combustible. Not considered a significant fire risk, however containers may burn. Irritating and highly toxic gases may be generated from thermal decomposition or combustion.



<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
For information on protective equipment, see section 8	
<b>6.2 Environmental Precautions</b>	
See section 12	
<b>6.3 Methods and material for containment and cleaning up</b>	
Spills are unlikely due to the nature of the product and how it is packaged	
<b>Minor Spills:</b>	Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Place in a suitable, labelled container for waste disposal.
<b>Major Spills:</b>	Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of the hazard. Contain and absorb spill with sand, earth, inert material or vermiculite. Prevent, by any means available, spillage from entering drains or water course.




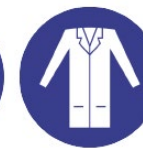
<b>SECTION 7: HANDLING AND STORAGE</b>	
<b>7.1 Precautions for safe handling</b>	
<b>Safe Handling:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Avoid contact with eyes. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Other Information:</b>	Keep out of the reach and sight of children.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Suitable Container:</b>	Single-use multi-layered aluminium and polyethylene tube with a polypropylene thermoplastic elastomer tip. Store at: 2 - 8 °C.
<b>Storage incompatibility:</b>	In the absence of incompatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products.

<b>7.3 Specific end uses</b>
Not available

<b>SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
<b>8.1 Control parameters</b>
<b>DERIVED NO EFFECT LEVEL - DNEL (EU)</b>
Not Available
<b>PREDICTED NO EFFECT LEVEL - PNEC (EU)</b>
Not Available
<b>OCCUPATIONAL EXPOSURE LIMITS (OEL)</b>

<b>INGREDIENT DATA:</b>						
Source	Ingredient	Material Name	TWA	STEL	Peak	Notes
Not Available						

<b>EMERGENCY LIMITS:</b>				
Ingredient	Material Name	TEEL-1	TEEL-2	TEEL-3
Propylene carbonate	Propylene carbonate, 1, 2-	34 mg/m3	370 mg/m3	2,200 mg/m3
glycerol	glycerol	45 mg/m3	180 mg/mg3	1,100 mg/m3
Ingredient	Original IDLH		Revised IDLH	
Not Available				

<b>8.2 Exposure controls</b>	
<b>Appropriate engineering controls:</b>	The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the particular risk.
<b>Personal protection:</b>	   
<b>Eye and face protection:</b>	Safety glasses with side shields / chemical goggles



<b>Skin protection:</b>	See hand protection below
<b>Hands/ feet protection:</b>	No special equipment needed when handling small quantities. OTHERWISE: Wear chemical protective gloves
<b>Body protection:</b>	Wear appropriate clothing
<b>Other protection:</b>	No special equipment needed when handling small quantities
<b>Thermal hazards:</b>	Not applicable
<b>Respiratory protection:</b>	Not applicable

### 8.3 Environmental exposure controls

See Section 12

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance:** White to yellow, Liquid

**Container:** Single-use multi-layered aluminium and polyethylene tube with a polypropylene thermoplastic elastomer tip.

**Physical state:** Gel

**Odour:** Not available

**Odour Threshold:** Not available

**pH (as supplied):** Not available

**Melting point / freezing point (degrees C):** Not available

**Initial boiling point and boiling range:** Not available

**Flash Point:** > 194.0°F (>90.0°C)

**Evaporation rate:** Not available

**Flammability:** Not available

**Upper/lower flammability or explosive limits:** Not available

**Vapour pressure:** Not available

**Relative Density (at degrees C):** Not available

**Solubility in water and solvents (mg/l):** Not available

**Vapour density:** Not available

**Auto ignition temperature (degrees C):** Not available

**Decomposition temperature (degrees C):** Not available

**Viscosity: (degrees C):** Not available

**Explosive properties:** Not explosive

**Oxidising properties:** Not oxidising

**Partition Coefficient:** Not available

**Molecular weight:** Not available

**Taste:** Not available

**Surface tension:** Not available

**Volative component:** Not available

**Gas group:** Not available

**pH as a solution:** Not available

**VOC g/L:** Not available





<b>9.2 Other information</b> Not Available
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<b>10: REACTIVITY AND STABILITY</b>	
<b>10.1 Reactivity:</b>	See Section 7
<b>10.2 Chemical stability:</b>	Product is considered stable. Hazardous polymerisation will not occur.
<b>10.3 Possibility of hazardous reactions:</b>	The product is not considered to be hazardous if used as per instructions. Hazardous polymerisation will not occur.
<b>10.4 Conditions to avoid:</b>	See Section 7.
<b>10.5 Incompatible materials:</b>	See section 7.
<b>10.6 Hazardous decomposition:</b>	See Section 5.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
<b>Inhalation:</b>	The material is not thought to produce adverse health effects or irritation of the respiratory tract.
<b>Ingestion:</b>	Ingestion may result in nausea, abdominal irritation, pain and vomiting. In the case of accidental and if symptoms occur, get medical attention.
<b>Skin contact:</b>	Not expected to be an irritant
<b>Eye contact:</b>	May cause eye irritation
<b>Chronic:</b>	Suspected of damaging fertility or the unborn child

<b>Osurnia Ear Gel for Dogs:</b>	<b>Acute toxicity</b>	<b>Irritation</b>
	Dermal (rat) LD50: >2020 mg/kg Oral (rat) LD50: >2000 mg/kg	Not Available
<b>Glycerol:</b>	<b>Acute toxicity</b>	<b>Irritation</b>
	Oral (rat) LD50:> 10000 mg/kg <sup>2</sup>	Not available
<b>BHT:</b>	<b>Acute toxicity</b>	<b>Irritation</b>
	Dermal (rat) LD50: >6000 mg/kg Oral (rat) LD50:> 2000 mg/kg	Not available



<b>Terbinafine:</b>	<b>Acute toxicity</b>	<b>Irritation</b>	
	Oral (rat) LD50:> 4000 mg/kg <sup>2</sup>	Not available	
<b>Florfenicol:</b>	<b>Acute toxicity</b>	<b>Irritation</b>	
	Oral (mouse) LD50: >2000 mg/kg Oral (rat) LD50: >2000 mg/kg Oral NOEL: Dog – 1 mg/kg Oral NOEL: Rat – 1 mg/kg adverse effects on the male reproductive system	Not available	
<b>Propylene carbonate:</b>	<b>Acute toxicity</b>	<b>Irritation</b>	
	Dermal (rat) LD50: >2000 mg/kg Oral (rat) LD50: >5000 mg/kg	Eye irritation observed <sup>1</sup> Not irritating to skin <sup>1</sup>	
1.* Value obtained from Europe ECHA Registered Substances – acute toxicity. 2.* Value obtained from manufacturer's SDS. Unless otherwise specified, data extracted from RTECS - Register of Toxic Effect of chemical Substances			
<b>Skin corrosion/ irritation:</b>			
Not Available			
<b>Serious eye damage/ irritation:</b>			
Moderate eye irritation (rabbit)			
<b>Respiratory or skin sensitization:</b>			
Not Available			
<b>Germ cell mutagenicity:</b>			
Not Available			
<b>Carcinogenicity:</b>			
Not Available			
<b>Reproductive toxicity:</b>			
Suspected of damaging fertility or the unborn child			
<b>STOT – single exposure:</b>			
Not Available			
<b>STOT–repeated exposure:</b>			
Not Available			
<b>Aspiration hazard:</b>			
Not Available			
<b>i) Germ cell mutagenicity:</b>	Not available	<b>j) Aspiration hazard:</b>	Not available



SECTION 12: ECOLOGICAL INFORMATION					
<b>12.1 Toxicity</b>					
Ingredient	Endpoint	Test duration (hr)	Species	Value	Source
BHT	EC50	96	Algae or other aquatic plants	0.758mg/L	1
	EC50	48	Crustacea	0.48 mg/L	1
	LC50	96	Fish	0.199 mg/L	1
	NOEC	48	Crustacea	0.15 mg/L	1
Florfenical	EC50	72	Algae or other aquatic plants	3.83mg/L	1
	NOEC	72	Algae or other aquatic plants	0.32 mg/l	1
	EC50	48	Crustacea	84.5 mg/l	1
	NOEC	96	Crustacea	>900 mg/l	1
	LC50	96	Fish	>900 mg/l	1
Propylene carbonate	EC50	48	Crustacea	>1000mg/L	1
		96	Fish	>1000mg/L	1
Terbinafine	EC50	-	Algae or other aquatic plants	0.029mg/L	1
	EC50	48	Crustacea	0.35mg/L	1
	NOEC	32 days	Fish	0.047 mg/L	1
<b>Legend:</b>			1. Elanco Osurnia SDS		
<b>DO NOT discharge into sewer or waterways.</b>					
<b>12.2 Persistence and degradability</b>					
Ingredient	Persistence: Water/Soil		Persistence: Air		
	No data available		No data available		
<b>12.3 Bioaccumulative potential</b>					
Ingredient	Bioaccumulative Potential				
Florfenical	(LogKOW = 0.37)				
Propylen carbonate	(LogKOW = -0.41)				
<b>12.4 Mobility in Soil</b>					
Ingredient	Mobility				
	No data available				



<p><b>12.5 Results of PBT and vPvB assessment</b>          Not available</p>
<p><b>12.6 Other adverse effects</b>          Not available</p>

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	
<b>Product / packaging disposal:</b>	<p>Any unused veterinary medicinal product or waste material derived from such veterinary medicinal products should be disposed of in accordance with national requirements.</p> <p>Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area.</p> <p>Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.</p>
<b>Waste Treatment Options:</b>	Not Available
<b>Sewage Disposal Options:</b>	Not Available

**SECTION 14: TRANSPORT INFORMATION**

**General information:** Effective January 1, 2015 by Special Provision, UN3077 and UN3082 when packaged in inner packages of 5L / 5 KG or less are not subject to the dangerous goods regulations.



<b>Labels required:</b>		
<b>Marine pollutant:</b>	NO	
<b>Hazchem:</b>	Not Applicable	
<b>Land transport (EU: ADR / US: DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>		
<b>14.1 UN Number</b>	UN3082	
<b>14.2 UN Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERBINAFINE, Florfenicol)	
<b>14.3 Transport hazard class(es)</b>	Class	9
	Sub risk	-
	Label(s)	9
	Hazard No.	90
	Tunnel restriction code	E
<b>14.4 Packing group</b>	III	
<b>14.5 Environmental hazards</b>	Yes	
<b>14.6 Special precautions for user</b>	Special provisions	Not available
	Limited quantity	N/a
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not established	



<b>Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>		
<b>14.1 UN Number</b>	UN3082	
<b>14.2 UN Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERBINAFINE, Florfenicol)	
<b>14.3 Transport hazard class(es)</b>	Class	9
	Sub risk	-
<b>14.4 Packing group</b>	III	
<b>14.5 Environmental hazards</b>	Yes. <b>ERG code:</b> 9L	
<b>14.6 Special precautions for user</b>	Special provisions	Not available
	Cargo only packing instructions	Allowed with restrictions
	Cargo only maximum qty/pack	Allowed with restrictions
	Passenger and cargo packaging instructions	Allowed with restrictions
	Passenger and cargo maximum qty/pack	Allowed with restrictions
	Passenger and cargo limited quantity packing instructions	Allowed with restrictions
	Passenger and cargo limited maximum qty/pack	Allowed with restrictions
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not established	



<b>Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>	
<b>14.1 UN Number</b>	UN 3082
<b>14.2 UN Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERBINAFINE, Florfenicol)
<b>14.3 Transport hazard class(es)</b>	Class 9
	Sub risk -
<b>14.4 Packing group</b>	N/a
<b>14.5 Environmental hazards</b>	Marine pollutant: Yes EmS: F-A, S-F
<b>14.6 Special precautions for user</b>	EMS Number Not available
	Special provisions Not available
	Limited quantities Not available
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not established



<b>Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS</b>		
<b>14.1 UN Number</b>	UN3082	
<b>14.2 UN Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TERBINAFINE, Florfenicol)	
<b>14.3 Transport hazard class(es)</b>	Class	9
	Sub risk	-
	Label(s)	9
<b>14.4 Packing group</b>	III	
<b>14.5 Environmental hazard</b>	Yes.	
<b>14.6 Special precautions for user</b>	Classification Code	Not available
	Special provisions	Not available
	Limited quantity	Not available
	Equipment required	Not available
	Fire cones number	Not available
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not established	

**SECTION 15: REGULATORY INFORMATION**

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

- European EC Inventory

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008 and their amendments

**15.2 Chemical Safety Assessment**

**ECHA SUMMARY**

<b>Ingredient</b>	<b>CAS number</b>	<b>Index Number</b>	<b>ECHA Dossier</b>
Not available	Not available	Not Available	Not Available





Harmonization (C&L Inventory)	Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)
Not available	Not available	Not available	Not available

National Inventory	Status
Australia – AICS	N
Canada – DSL	N
Canada – NDSL	N
China – IECSC	N
Europe - EINEC / ELINCS / NLP	N
Japan – ENCS	N
Korea – KECI	N
New Zealand – NZIoC	Y
Philippines – PICCS	N
USA – TSCA	N
<b>Legend:</b>	<i>Y = All ingredients are on the inventory        N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)</i>

## SECTION 16: OTHER INFORMATION

The SDS is written in accordance to guidelines specified by REACH, GHS, OSHA and ECHA.

### Full text Risk and Hazard codes:

H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child
H410	Very toxic to aquatic life with long lasting effects

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

EN 166 Personal eye-protection  
EN 340 Protective clothing  
EN 374 Protective gloves against chemicals and micro-organisms  
EN 13832 Footwear protecting against chemicals  
EN 133 Respiratory protective devices

### Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average  
PC – STEL: Permissible Concentration-Short Term Exposure Limit  
STEL: Short Term Exposure Limit  
TEEL: Temporary Emergency Exposure Limit  
IDLH: Immediately Dangerous to Life or Health Concentrations

Updated: v2. Jan21 – Transport information

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