

SAFETY DATA SHEETS

This SDS packet was issued with item:

078933644

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078933648 078944717



SECTION 1: IDENTIFICATION	
1.1 Product identifier	
Product name:	PEA Soft Chew 100mg & 200mg (Redonyl Ultra)
Synonyms:	None
Proper Shipping name:	Not applicable
Other means of identification:	None
1.2 Relevant identified uses of the substances or mixture and uses advised against	
Recommended uses:	For use in dogs only. Recommended for support of healthy skin function in dogs.
Uses advised against:	For animal use only. Keep out of reach of children and animals. In case of accidental overdose, contact a health professional immediately.
1.3 Details of the supplier of the substance or mixture	
Registered company name (US):	Dechra Veterinary Products
Address:	Dechra Veterinary Products 7015 College Blvd Suite 525 Overland Park KS 66211 USA
Telephone:	866-933-2472
Fax:	Not available
Website:	www.dechra-us.com
Email:	support@dechra.com
1.4 Emergency Telephone Numbers	
Dechra (US):	866-933-2472

SECTION 2: HAZARDS IDENTIFICATION
2.1 Classification of the substance or mixture Not considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments. Not classified as Dangerous Goods for transport purposes (EU). Not considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not classified as Dangerous Goods for transport purposes (US).



Classification according to regulation (EC) No 1272/2008 [CLP] (EU)¹:	Not applicable
Classification (US):	Not applicable
2.2 Label Elements	
GHS Label Elements:	Not applicable
Signal Word:	Not applicable
Hazard statement(s):	
None	
Precautionary Statement(s) Prevention:	
	Not applicable
Precautionary Statement(s) Response:	
	Not applicable
Precautionary Statement(s) Storage:	
	Not applicable
Precautionary Statement(s) Disposal:	
P501	Dispose of contents/container in accordance with local regulations.
2.3 Other Hazard Information	
REACH (EU) Article 57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.	

SECTION 3: INFORMATION ON THE INGREDIENTS

3.1 Substances

See section below for composition of mixtures

3.2 Mixtures

CAS No.	% (Weight)	Name
544-31-0	1-10	Palmitoylethanolamide
8001-26-1	1-10	Linseed oil
10417-94-4	<0.1	5,8,11,14,17-eicosapentaenoic acid
6217-54-5	<0.1	Cis-4,7,10,13,16,19-docohexaemoic acid
Not available	10-30	Dried molasses
56-81-5	10-20	Glycerol



57-50-1	10-20	Sucrose
Not available	1-10	Corn starch
7757-93-9	1-10	Calcium phosphate, dibasic
Not available	1-10	Hydrolyzed vegetable proteins
557-04-0	1-5	Magnesium stearate
10043-35-3	<0.1	Boric acid

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact:	Not applicable due to the nature of the product. However if eye contact occurs with the User's hands after use of the product, irritation may occur from the excipients. Accidental contact with the eye should be washed off with plenty of water. If pain or irritation occurs, seek medical advice and show the package leaflet or the label to the medical practitioner.
Skin contact:	Not applicable due to the nature of the product. Wash hands after use and if irritation occurs, seek medical advice and show the package leaflet or the label to the medical practitioner.
Inhalation:	Not applicable due to the nature of the product.
Ingestion:	If swallowed and discomfort occurs, give a glass of water. If discomfort persists, seek medical advice and show the package leaflet or the label to the medical practitioner.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact:	May cause irritation after prolonged or repeated exposure.
Skin contact:	May cause irritation after prolonged or repeated exposure.
Ingestion:	May cause nausea, abdominal irritation, pain and diarrhea

See Section 11 for more detailed information

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.



SECTION 5: FIRE FIGHTING MEASURES	
5.1 Extinguishing media	
Suitable:	Select extinguishing media suitable for surrounding area
Unsuitable:	There is no restriction on the type of extinguisher which may be used
5.2 Special hazards arising from the substance or mixture	
Fire incompatibility:	None known
5.3 Special protective actions for fire-fighters:	
Firefighting:	Use water delivered as a fine spray to control fire and cool adjacent area. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
Fire / explosion hazard:	Non-combustible. Not considered a significant fire risk, however containers may burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	
For information on protective equipment, see section 8	
6.2 Environmental Precautions	
See section 12	
6.3 Methods and material for containment and cleaning up	
Minor and Major Spills:	Clean up all spills immediately. Avoid contact with skin and eyes.



SECTION 7: HANDLING AND STORAGE	
7.1 Precautions for safe handling	
Safe Handling:	Always wash hands with water after handling. Observe manufacturer's storage and handling recommendations.
Other Information:	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Keep out of the reach and sight of children.
7.2 Conditions for safe storage, including any incompatibilities	
Suitable Container:	Check that containers are clearly labelled.
Storage incompatibility:	No known incompatibilities.
7.3 Specific end uses	
Veterinary nutraceutical for oral ingestion.	

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

INGREDIENT DATA					
Source	ingredient	Material name	TWA	STEL	Peak
US NIOSH Recommended Exposure Limits (RELs)	Glycerol	Glycerine (anhydrous); Glycerol; Glycyl alcohol; 1,2,3-Propanetriol; Trihydroxypropane	Not available	Not available	Not available
US OSHA Permissible Exposure Levels (PELs)	Glycerol	Glycerine (mist): Total dust	15 mg/m3	Not available	Not available



INGREDIENT DATA (continued)					
Source	ingredient	Material name	TWA	STEL	Peak
US OSHA Permissible Exposure Levels (PELs)	Glycerol	Glycerine (mist): Respirable fraction	5 mg/m ³	Not available	Not available
US NIOSH Recommended Exposure Limits (RELs)	Sucrose	Beet sugar, Cane sugar, Confectioner's sugar, Granulated sugar, Rock candy, Saccarose, Sugar, Table sugar	10(total), 5 (resp) mg/m ³	Not available	Not available
US ACGIH Threshold Limit Values (TLV)	Sucrose	Sucrose	10 mg/m ³	Not available	Not available
US OSHA Permissible Exposure Levels (PELs)	Sucrose	Sucrose, total dust	15 mg/m ³	Not available	Not available
US OSHA Permissible Exposure Levels (PELs)	Sucrose	Sucrose; respirable fraction	5 mg/m ³	Not available	Not available
US ACGIH Threshold Limit Values (TLV)	Magnesium stearate	Stearates	10; 3 mg/m ³	Not available	Not available
US ACGIH Threshold Limit Values (TLV)	Boric acid	Borate compounds, inorganic	2 mg/m ³	6 mg/m ³	Not available
EMERGENCY LIMITS (EU/US):					
Ingredient	Material Name	TEEL-1	TEEL-2	TEEL-3	
Glycerol	Glycerol	45 mg/m ³	860 mg/m ³	2,500 mg/m ³	
Boric acid	Boric acid	6 mg/m ³	23 mg/m ³	830mg/m ³	
Ingredient		Original IDLH		Revised IDLH	
Palmitoylethanolamide		Not Available		Not Available	
Linseed oil		Not Available		Not Available	
5,8,11,14,17- eicosapentaenoic acid		Not Available		Not Available	



Ingredient	Original IDLH	Revised IDLH
Cis-4,7,10,13,16,19-docosaheanoic acid	Not Available	Not Available
Dried molasses	Not Available	Not Available
Glycerol	Not Available	Not Available
sucrose	Not Available	Not Available
Calcium phosphate, dibasic	Not Available	Not Available
Hydrolyzed vegetable proteins	Not Available	Not Available
Magnesium stearate	Not Available	Not Available
Boric acid	Not Available	Not Available
8.2 Exposure controls		
Appropriate engineering controls:	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.	
Personal protection:	Wash hands after handling the product.	
Eye and face protection:	Not applicable	
Skin protection:	Not applicable	
Hands/ feet protection:	No special equipment needed when handling small quantities. Wash hands after handling the product.	
Body protection:	Not applicable	
Other protection:	No special equipment needed when handling small quantities	
Thermal hazards:	Not applicable	
Respiratory protection:	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	
<p>Appearance: 0.5" round-oval, brown, semi-soft chewable dog treat Container: 120 chews per container, screw cap, non-child proof lid Physical state: Semi-soft chews Odor: Light molasses odor Odor 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: Not available Evaporation rate: Not available Flammability: Not available Upper/lower flammability or explosive limits: Not available Vapor pressure: Not available Relative Density (at degrees C): Not available Solubility in water and solvents (mg/l): Not available Vapor density: Not available Auto ignition temperature (degrees C): Not available Decomposition temperature (degrees C): Not available Viscosity: (degrees C): Not available Explosive properties: Not available Oxidizing properties: Not available Partition Coefficient: Not available Molecular weight: Not available Taste: Light molasses flavor Surface tension: Not available Volatile component: Not available Gas group: Not available pH as a solution: Not available VOC g/L: Not available</p>	
9.2 Other information	
Not Available	

SECTION 10: STABILITY AND REACTIVITY	
10.1 Reactivity:	See Section 7.
10.2 Chemical stability:	Product is considered stable. Hazardous polymerization will not occur.
10.3 Possibility of hazardous reactions:	The product is not considered to be hazardous if used as per instructions. Hazardous polymerization will not occur.
10.4 Conditions to avoid:	See section 7.
10.5 Incompatible materials:	See section 7.



10.6 Hazardous decomposition:	See Section 5.
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SECTION 11: TOXICOLOGICAL INFORMATION		
Inhalation:	The material is not thought to produce adverse health effects or irritation of the respiratory tract	
Ingestion:	Ingestion may result in nausea, abdominal irritation, pain and diarrhoea	
Skin contact:	The material is not thought to produce adverse health effects or skin irritation following contact	
Eye contact:	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness (as with windburn)	
Chronic:	Long-term exposure to the product is not thought to produce chronic effects adverse to the health.	
PEA 100mg & 200mg Soft Chew:	Toxicity	Irritation
	Not available	Not available
palmitoylethanolamide:	Toxicity	Irritation
	Dermal (rabbit): LD50: >2000 mg/kg ⁽¹⁾ Oral (rat) LD50: >5000 mg/kg ⁽¹⁾	Not available
Linseed oil:	Toxicity	Irritation
	Oral (rat) LD50: >2000 mg/kg ⁽¹⁾	Skin (human): 300mg/ 3 days - moderate
5,8,11,14,17-eicosapentaenoic acid:	Toxicity	Irritation
	Not available	Not available
Cis-4,7,10,13,16,19-docosahexaenoic acid:	Toxicity	Irritation
	Not available	Not available
glycerol:	Toxicity	Irritation
	Oral (rat) LD50: 12600 mg/kg ⁽²⁾	Not available



SECTION 11: TOXICOLOGICAL INFORMATION		
Sucrose:	Toxicity	Irritation
	Oral (rat) LD50: 29700 mg/kg ⁽¹⁾	Not available
Calcium phosphate, dibasic:	Toxicity	Irritation
	Dermal (rabbit): LD50: >7940 mg/kg ⁽²⁾ Oral (rat) LD50: >2000 mg/kg ⁽¹⁾	Eye (rabbit): LD50: 8 on a scale of 110 Skin (rabbit): 0 on a scale of 8
Magnesium stearate:	Toxicity	Irritation
	Not available	Not available
Boric acid:	Toxicity	Irritation
	Oral (rat) LD50: 2500 mg/kg ⁽¹⁾	Skin (human): 15mg/3d - mild
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		
Skin corrosion/irritation:		
Not expected to cause irritation		
Serious eye damage/irritation:		
Not expected to cause irritation		
Respiratory or skin sensitization:		
Not expected to be a respiratory sensitization. Not a skin sensitizer.		
Germ cell mutagenicity:		
Not available		
Carcinogenicity:		
Not available		
Reproductive toxicity:		
Not available. Safe use in pregnant animals or animals intended for breeding has not yet been proven.		
STOT – single exposure:		
Not available		
STOT–repeated exposure:		
Not available		
Aspiration hazard:		
Not available		



SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ingredient	Endpoint	Test duration (hr)	Species	Value	Source
glycerol	LC ₅₀	96	Fish	>11mg/L	1
Linseed oil	EC ₅₀	48	Crustacea	>0.8mg/L	1
Linseed oil	EC ₅₀	72	Algae or other aquatic plants	>0.4-0.6mg/L	1
Linseed oil	NOEC	72	Algae or other aquatic plants	0.4-0.6mg/L	1
Boric acid	LC50	96	Fish	74mg/L	1
Boric acid	EC50	48	Crustacea	133mg/L	2
Boric acid	EC50	72	Algae or other aquatic plants	54mg/L	1
Boric acid	NOEC	168	Fish	0.009mg/L	1

Legend: 1. Europe ECHA Registered Substances – Ecotoxicological Information – Aquatic Toxicity 2. US EPA, Ecotox database – Aquatic Toxicity Data

DO NOT discharge into sewer or waterways.

12.2 Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
palmitoylethanolamide	LOW	LOW
5,8,11,14,17-eicosapentaenoic acid	HIGH	HIGH
Cis-4,7,10,13,16,19-docosahexaenoic acid	HIGH	HIGH
Glycerol	LOW	LOW
Sucrose	LOW	LOW
Boric acid	LOW	LOW

12.3 Bioaccumulative potential



Ingredient	Bioaccumulative Potential
palmitoylethanolamide	HIGH (LogKOW = 5.2055)
5,8,11,14,17-eicosapentaenoic acid	LOW (LogKOW = 7.8516)
Cis-4,7,10,13,16,19-docosahexaenoic acid	LOW (LogKOW = 8.6188)
Glycerol	LOW (LogKOW = 1.76)
Sucrose	LOW (LogKOW = -3.7)
Boric acid	LOW (BCF = 0)
12.4 Mobility in Soil	
Ingredient	Mobility
palmitoylethanolamide	LOW (KOC = 4464)
5,8,11,14,17-eicosapentaenoic acid	LOW (KOC = 39700)
Cis-4,7,10,13,16,19-docosahexaenoic acid	LOW (KOC = 135100)
Glycerol	HIGH (KOC = 1)
Sucrose	LOW (KOC = 10)
Boric acid	LOW (KOC = 35.04)
12.5 Results of PBT and vPvB assessment	
Not Available	
12.6 Other adverse effects	
Not Available	

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / packaging disposal:	Any unused veterinary medicinal product or waste material derived from such veterinary medicinal products should be disposed of in accordance with national requirements.
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	<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>Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill.</p> <p>Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. Where in doubt contact the responsible authority.</p> <p>Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.</p>
Waste Treatment Options:	Not Available
Sewage Disposal Options:	Not Available

SECTION 14: TRANSPORT INFORMATION

Labels required:

Marine pollutant:	NO	
Hazchem:	Not Applicable	
Land transport (EU: ADR / US: DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS		
14.1 UN Number	Not Applicable	
14.2 UN Proper Shipping Name	Not Applicable	
14.3 Transport hazard class(es)	Class	Not Applicable
	Sub risk	Not Applicable
14.4 Packing group	Not Applicable	
14.5 Environmental hazards	Not Applicable	



14.6 Special precautions for user	Special provisions	Not Applicable
	Limited quantity	Not Applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Applicable	
Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS		
14.1 UN Number	Not Applicable	
14.2 UN Proper Shipping Name	Not Applicable	
14.3 Transport hazard class(es)	ICAO/IATA Class	Not Applicable
	ICAO / IATA Sub risk	Not Applicable
	ERG Code	Not Applicable
14.4 Packing group	Not Applicable	
14.5 Environmental hazards	Not Applicable	
14.6 Special precautions for user	Special provisions	Not Applicable
	Cargo only packing instructions	Not Applicable
	Cargo only maximum qty/pack	Not Applicable
	Passenger and cargo packaging instructions	Not Applicable
	Passenger and cargo maximum qty/pack	Not Applicable
	Passenger and cargo limited quantity packing instructions	Not Applicable
	Passenger and cargo limited maximum qty/pack	Not Applicable



14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Applicable	
Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS		
14.1 UN Number	Not Applicable	
14.2 UN Proper Shipping Name	Not Applicable	
14.3 Transport hazard class(es)	IMDG Class	Not Applicable
	IMDG Sub risk	Not Applicable
14.4 Packing group	Not Applicable	
14.5 Environmental hazards	Not Applicable	
14.6 Special precautions for user	EMS Number	Not Applicable
	Special provisions	Not Applicable
	Limited quantities	Not Applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable	
Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS		
14.1 UN Number	Not Applicable	
14.2 UN Proper Shipping Name	Not Applicable	
14.3 Transport hazard class(es)	Not Applicable	Not Applicable
14.4 Packing group	Not Applicable	
14.5 Environmental hazard	Not Applicable	
14.6 Special precautions for user	Classification Code	Not Applicable
	Special provisions	Not Applicable
	Limited quantity	Not Applicable
	Equipment required	Not Applicable
	Fire cones number	Not Applicable



14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Applicable
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SECTION 15: REGULATORY INFORMATION

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

PALMITOYLETHANOLAMIDE (544-31-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)
- European Customs Inventory of Chemical Substances ECICS (English)
- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory

GLYCEROL (56-91-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)
- European Customs Inventory of Chemical Substances ECICS (English)
- UK Workplace Exposure Limits (WELs)
- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory
- US NIOSH Recommended Exposure Limits (RELs)
- US OSHA Permissible Exposure Levels (PELs)

LINSEED OIL (8001-26-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory

SUCROSE (57-50-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory
- US NIOSH Recommended Exposure Limits (RELs)
- US OSHA Permissible Exposure Levels (PELs)



CALCIUM PHOSPHATE, DIBASIC (7757-93-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory

MAGNESIUM STEARATE (557-04-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance Inventory

BORIC ACID (10043-25-3) IS FOUND ON THE FOLLOWING REGULATORY LISTS:

- US List of Active Substances Exempt from the TSCA Inventory Notifications (active-inactive) Rule
- US Toxic Substances Control Act (TSA) –Chemical Substance Inventory
- US TSCA Chemical Substance 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.

FEDERAL REGULATIONS:

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 Hazard Categories

Immediate (acute) health hazard	NO
Delayed (chronic) health hazard	NO
Fire hazard	NO
Pressure hazard	NO
Reactivity hazard	NO

US. EPA Cercla Hazardous Substances and Reportable Quantities (40 CFR 302.4)
None reported

STATE REGULATIONS:

US. CALIFORNIA PROPOSITION 65
None reported



National Inventory	Status
Australia - AICS	N (palmitoylethanolamide)
Canada - DSL	N (palmitoylethanolamide)
Canada - NDSL	N (propylene glycol; glycerol; calcium phosphate, dibasic)
China - IECSC	N (palmitoylethanolamide)
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	N (palmitoylethanolamide)
Korea - KECI	N (palmitoylethanolamide)
New Zealand - NZIoC	Y
Philippines - PICCS	Y
USA - TSCA	Y
Legend:	<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. **H315, H319, H335**

Full text Risk and Hazard codes:

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Other Information

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

NFPA 704 diamond (US):



Blue = Health, Red = Fire, Yellow = Reactivity, White = Special (Oxidizer or water reactive substances)

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

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