SAFETY DATA SHEETS

This SDS packet was issued with item: 078949373

N/A



SECTION 1: IDENTIFICATION

1.1 Product identifier			
Product name	Sulforal		
Chemical name	Not Applicable		
Synonyms	Sulfadimethoxine oral solution		
Chemical formula	Not Applicable		
Other means of identification	Not Available		
1.2 Recommended use of the cher	nical and restrictions on use		
Relevant identified uses Veterinary pharmaceutical oral antibacterial solution. Not for human use.			
1.3 Details of the supplier of the su	bstance or mixture		
Registered company name (US) Dechra Veterinary Products			
Address	7015 College Blvd Suite 525		
	Overland Park, KS 66211 USA		
Telephone	866-933-2472		
Fax	Not Available		
Email	Not Available		
1.4 Emergency telephone numbers			
Dechra (US)	866-933-2472		

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture						
NFPA 704 diar	nond					
	Note: The hazard category numbers found in GHS classification in section 2 of this SDSs					
	are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow =					
\sim	Reactivity White = Special (Oxidizer or water reactive substances)					
Classification	Skin Corrosion/Irritation Category 2, Sensitization (Skin) Category 1, Serious Eye Damage/Eye Irritation					
	Category 2A					
2.2 Label elem	ents					
	\sim					
Hazard						
pictogram(s)						
	$\mathbf{>}$					
Signal word	Warning					
Hazard stateme	nt(s)					
H315	Causes skin irritation.					
H317	May cause an allergic skin reaction.					
H319	Causes serious eye irritation.					
Hazard(s) not o	therwise classified					
Not App	blicable					
Precautionary s	tatement(s) Prevention					
P261	Avoid breathing mist/vapours/spray.					
P280	Wear protective gloves, protective clothing, eye protection and face protection.					
P264	Wash all exposed external body areas thoroughly after handling.					
P272	Contaminated work clothing must not be allowed out of the workplace.					
Precautionary s	tatement(s) Response					
P305+P351+	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to					
P338	do. Continue rinsing.					
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.					
P337+P313	If eye irritation persists: Get medical advice/attention.					
P302+P352	IF ON SKIN: Wash with plenty of water.					
P332+P313	If skin irritation occurs: Get medical advice/attention.					
P362+P364	Take off contaminated clothing and wash it before reuse.					
Precautionary s	tatement(s) storage					
Not Appl	icable					
Precautionary s	tatement(s) disposal					
P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with					
	any local regulation.					

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS							
3.1 Substances	3.1 Substances						
See section below for con	mposition of Mixtures						
3.2 Mixtures							
CAS No.	% [weight]	Name					
122-11-2	10-30	sulfadimethoxine					
Not Available balance Ingredients determined not to be hazardous							
The specific chemical identity and	(or exact percentage (concentration)	of composition has been withheld as a trade secret.					



SECTION 4: FIRST AID MEASURES

4.1 Descrip	1.1 Description of first aid measures						
Eye	In case of eye contact, immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove						
contact	only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a						
	physician.						
Skin	In case of skin contact, while wearing protective gloves, carefully remove any contaminated clothing, including						
contact	shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a physician.						
Inhalation	Remove to fresh air. If irritation or symptoms occur or persist, consult a physician. If any trouble breathing, get						
	immediate medical attention. Administer artificial respiration if breathing has ceased.						
Ingestion	Do not induce vomiting unless under the direction of a qualified medical professional or Poison Control Center.						
	IMMEDIATELY consult a physician. Do not attempt to give anything by mouth to a seizing, drowsy or unconscious						
	person. If alert, rinse mouth and drink a glass of water.						
4.2 Most im	4.2 Most important symptoms and effects, both acute and delayed						
See se	See section 11.						
4.3 Indicati	4.3 Indication of immediate medical attention and special treatment needed						

Treat symptomatically.

In cases of recent sulfonamide overdose, the stomach should be emptied by aspiration and lavage. If kidney function is adequate, a saline purgative, such as sodium sulfate, 30 g in 250 ml water, may be given to promote peristalsis and elimination of sulfonamide in the urine may be assisted by giving alkalies, such as sodium bicarbonate and increasing fluid intake. Severe crystalluria may require ureteric catheterization and irrigation with warm 2.5% sodium bicarbonate solution. Treatment should be continued until it can be assumed that the sulfonamide has been eliminated. The majority of sulfonamides are metabolised to acetylated derivatives which retain the toxicity of the parent compound and thus may indicate more active removal when adverse effects are very severe. Active measures may include forced diuresis, peritoneal dialysis and charcoal hemoperfusion. [Martindale: The Extra Pharmacopoeia, 28th Ed.]

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas. Though the material is noncombustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances. In such an event consider foam, dry chemical powder, or carbon dioxide

5.2 Special hazards arising from the substance or mixture Fire incompatibility None known 5.3 Special protective actions for fire-fighters: Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with Firefighting self-contained breathing apparatus (SCBA). Prevent, by any means available, spillage from entering drains or water course. Avoid spraying water onto liquid pools. 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. Fire / explosion hazard Under normal conditions of use, this material does not present a significant fire or explosion hazard. The material is not readily combustible under normal conditions. However, it will break down under

fire conditions and the organic component may burn. Not considered to be a significant fire risk. Heat may cause expansion or decomposition with violent rupture of containers. Decomposes on heating and may produce toxic fumes of carbon monoxide. May emit acrid smoke. Decomposes on heating and produces toxic fumes of: carbon dioxide, nitrogen oxides, sulfur oxides. other pyrolysis products typical of burning organic material. May emit poisonous fumes. May emit corrosive fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Wear appropriate personal protective equipment. Keep personnel away from the clean-up area. Avoid dust formation, dampen with water to prevent dusting before sweeping. Avoid breathing dust, vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8. 6.2 Environmental precautions See Section 12 6.3 Methods and material for containment and cleaning up All spills should be handled according to site requirements and based on precautions cited in the SDS. In the Minor spills case of liquids, use proper absorbent materials. For laboratories and small-scale operations, incidental spills within a hood or enclosure should be cleaned by using a vacuum or wet cleaning methods as appropriate. Major spills For large dry or liquid spills or those spills outside enclosure or hood, appropriate emergency response personnel should be notified. In manufacturing and large-scale operations, vacuuming prior to wet mopping or cleaning is required. Dispose in accordance with local, state and federal regulations regarding health, water and air pollution. Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe	e handling
	Safe handling	DO NOT allow clothing wet with material to stay in contact with skin. Avoid all personal contact.
	J	including skin, eve, and inhalation. Avoid formation of dust and aerosols. Provide appropriate exhaust
		ventilation in places where dust and aerosols are formed. Wear protective clothing when risk of
		overexposure occurs. DO NOT enter confined spaces until atmosphere has been checked. When



	handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid
	physical damage to containers. Use good occupational work practice. Observe manufacturer's
	storage and handling recommendations contained within this SDS.
Other information	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated
	area. Store away from incompatible materials and foodstuff containers. Store at room temperature
	between 15-30°C (59-86°F). Store upright and out of direct sunlight. Store away from ignition sources.
7.2 Conditions for safe	storage, including any incompatibilities
Suitable container	Glass container is suitable for lab quantities and polyethylene/polypropylene container for large
	quantities. Packing as recommended by manufacturer.
Storage incompatibility	None known.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters										
	its (O	EL)								
INGREDIENT DATA	Ingr	odiont	Motorial name		тν	N/A	STEI	Poak		Notos
	nigr	dimothovino	Naterial hame		15	ma/m ³	Not	Not		Not
Exposure Limite (PELs)	Suite	aumetrioxine	Othonwise Regulated		10	ing/m	Available	Availat		Nul
Table Z-1			(Pl	NOR)- Total dust			Available	Availai	JIE	Available
US OSHA PELs Table Z-1	sulfa	adimethoxine	PN fra	IOR- Respirable ction	5 r	mg/m ³	Not Available	Not Availat	ole	Not Available
US OSHA PELs Table Z-3	sulfa	adimethoxine	Ine	ert or Nuisance Dust:	5 r	ma/m ³ /	Not	Not		Not
			Respirable fraction		15	mppcf	Available	Availal	ole	Available
US OSHA PELs Table Z-3	sulfa	adimethoxine	Ine	ert or Nuisance Dust:	15	5 mg/m ³ /	Not	Not		Not
			Total Dust		50	mppcf	Available	Availal	ole	Available
US NIOSH Recommended	sulfa	adimethoxine	ΡN	IOR	Nc Av	ot vailable	Not Available	Not Availat	ماد	See Appendix D
US OSHA PELS Table 7-1	sulfa	dimethoxine	PN	IOR- Total dust	15	ma/m ³	Not	Not		Not
	Suite					, mg/m	Available	Availat	ole	Available
Emergency limits										
Ingredient				TEEL-1			TEEL-2		TEE	L-3
Sulforal				Not Available			Not Availab	le	Not A	vailable
Ingredient				Original IDLH			Revise	d IDLH		
sulfadimethoxine				Not Available			Not Ava	ilable		
Occupational Exposure Ba	andin	a		•						
Ingredient		Occupation	al E	xposure Band Ratin	a	Occupat	ional Expo	sure Bar	nd Lim	nit
sodium carbonate		E			3	≤ 0.01 m	a/m ³			
disodium edetate		E				≤ 0.01 m	a/m³			
Notes: Occupational exposur	e band	ding is a process	sofa	assigning chemicals into	spe	cific catego	ries or bands	based on a	a chem	ical'spotency
and the adverse health out	comes	s associated wit	h ex	posure. The output of th	is pr	rocess is a	n occupationa	l exposure	eband	(OEB), which
corresponds to a range of	expos	ure concentrati	ons	that are expected to pro	tect	worker he	alth.			
MATERIAL DATA										
8.2 Exposure controls										
Appropriate engineering	Enc	losed local ex	hau	st ventilation is require	ed a	at points o	f dust, fume	or vapou	r gene	eration. HEPA
controls	term	terminated local exhaust ventilation should be considered at point of generation of dust, fumes or								
	vap	dling A fumo	pro	d or vented belance	v Ca			sidered i	or iab	
	nan	utility. A futile	ina	500 mg Whon bandlir			n to 500 g ir	oithor a	stands	rd laboratory
	with	nulles exceeu	niy on v	ventilation (e.g. 6-12 a	iy y air c	hannes i	ip to 500 g il per hour) is	n cillici a	Stanua Ouar	atities up to 1
	kar	nav require a	dee	ignated laboratory usi	ina f	fume hoor		safety c	ahinet	or approved
	ven	ted enclosure	s C	Juantities exceeding 1	ka	should h	e handled ir	a desig	nated	laboratory or
	cont	tainment labo	rato	rv using appropriate	bar	rier/ conta	ainment tech	noloav.	Manuf	acturing and
	pilot	t plant operati	ons	require barrier/ conta	inm	ent and c	lirect couplir	g techno	logies.	J
Personal protection		dh dh						0		
	1		Y							
										–
Eye and face protection	Whe	en handling v	ery	small quantities of th	ne r	material e	ye protectio	n may n	ot be	required. For
	labo	oratory, larger	SCa	ale or bulk handling o	or w	here regu	lar exposur	e in an o	ccupa	tional setting
	occurs: use cnemical goggles or face shields. Contact lenses may pose a special hazard; soft									
Skin protection	See	Hand protect	ion		5 11 11	itants.				
Hands/feet protection	The	material may	nro	duce skin sensitization	, in 1	nrodience	ed individual	e Caro m	nuet he	takan whan
nanus/reet protection	rem		and	other protective equir	me	nt to avoi	d all possible	s. Care n skin cor	itact	Select aloves
	test	ed to a relev	ant	standard (e.g. Euro	ne	FN 374	US F739	AS/NZS	2161	1 or national
	equi	ivalent).	t	(0.g. Edio		,	,			. s. national
Body protection	See	Other protect	tion	below.						
Other protection	For	quantities un	0.5	00 g a laboratory coat	ma	v be suita	ble. For quar	tities up f	to 1 ka	a disposable
	labo	pratory coat or	cov	rerall of low permeabil	ity is	s recomm	ended. Cove	eralls sho	uld b	e buttoned at
	colla	ar and cuffs. F	or c	uantities over 1 kg an	id m	nanufactui	ing operatio	ns, wear	dispos	sable coverall
	of Ic	ow permeabilit	y ai	nd disposable shoe o	ove	ers. For m	anufacturing	operatio	ns, aiı	-supplied full
	bod	body suits may be required for the provision of advanced respiratory protection. Eve wash unit.								



	Ensure there is ready access to an emergency shower. For Emergencies: Vinyl suit
Respiratory protection	A respirator is not required for routine conditions of use of this product. Respiratory protective
	equipment (RPE) may be required for certain laboratory and large-scale manufacturing tasks if
	potential airborne breathing zone concentrations of substances exceed the relevant exposure
	limit(s). Workplace risk assessment should be completed before specifying and implementing
	RPE usage. Type -P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001,
	ANSI Z88 or national equivalent).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance: Clear, pale yellow to brown liquid	Vapor density: Not Available
Physical state: Liquid	Auto ignition temperature (°C): Not Available
Odor: Practically no odor	Decomposition temperature (°C): Not Available
Odor threshold: Not Available	Viscosity (°C): Not Available
pH (as supplied): Not Available	Explosive properties: Not Available
Melting point / freezing point (°C): Not Available	Oxidizing properties: Not Available
Initial boiling point and boiling range: Not Available	Partition coefficient: Not Available
Flash point (°C): Not Available	Molecular weight: Not Available
Evaporation rate: Not Available	Taste: Not Available
Flammability: Not Available	Surface tension: Not Available
Upper/lower flammability or explosive limits: Not Available	Volatile component (%vol): Not Available
Vapor pressure: Not Available	Gas group: Not Available
Relative density (Water = 1): Not Available	pH as a solution: Not Available
Solubility in water (mg/l): Miscible	VOC g/L: Not Available
	Specific gravity @ 20°C (water = 1): Not Available

SECTION 10: STABILITY AND REACTIVITY					
Reactivity	See Section 7				
Chemical stability Unstable in the presence of incompatible materials. Product is consider					
	Hazardous polymerization will not occur.				
Possibility of hazardous reactions	See Section 7				
Conditions to avoid	See Section 7				
Incompatible materials	See Section 7				
Hazardous composition	See Section 5				

SECTION 11: TOXICOLOGICAL INFORMATION

Information or	n toxicological eff	ects				
Inhalation	The material is no	ot thought to pr	oduce either ad	verse health	effects or irritation of the respiratory trac	t following
	inhalation (as cla	assified by EC	C Directives us	sing animal n	nodels). Nevertheless, adverse system	nic effects
	have been produced following exposure of animals by at least one other route and good hygiene practice					
	requires that exp	osure be kept	to a minimum a	and that suita	able control measures be used in an oc	cupational
	setting. Not norm	ally a hazard o	due to non-vola	tile nature of	product.	
Ingestion	Accidental ingest	ion of the mate	erial may be har	mful to the he	alth of the individual.	
Skin contact	Evidence exists,	or practical ex	perience predi	cts, that the I	material either produces inflammation of	of the skin
	in a substantial	number of indi	viduals followin	g direct conta	ct, and/or produces significant inflamma	ation when
	applied to the hea	althy intact skir	n of animals.			
Eye contact	Evidence exists, number of individ	or practical ex uals.	perience predi	cts, that the r	material may cause eye irritation in a s	substantial
Chronic	Practical experier	nce shows that	skin contact is	capable eithe	r inducing a sensitization reaction in a s	substantial
	number of individ	uals, and/or of	f producing a p	ositive respor	nse in experimental animals. Substance	s that can
	cause occupation	nal asthma ca	in induce a sta	ate of specif	ic airway hyper-responsiveness. There	e is some
	evidence to provide a presumption that human exposure to the material may result in impaired fertility on the					
	basis of: evide	nce in animal	studies. Expos	sure to the m	aterial may cause concerns for humans	s owing to
	possible developmental toxic effects, on the basis that similar materials tested in appropriate animal studies.					
	Cultorel Acute toxicity Irritation					
	Suitorai	Not Available	9		Not Available	
	ulfodimothovino	Acute toxicit	y		Irritation	
	Oral (rabbit) LD ₅₀ : >1000 mg/kg ^[2] Not Available					
 Value obtair 	ned from Europe ECH	A Registered Su	bstances - Acute	toxicity 2. Value	e obtained from manufacturer's SDS. Unless	otherwise
specified data	extracted from RTEC:	S - Register of To	oxic Effect of che	mical Substance	es	
	Acute Toxicity * Carcinogenicity *					×
	Skin Irritati	on/Corrosion	✓	Reproductivity *		×
Serios Eye Damage/Irritation 🗸		✓	STOT – Single Exposure 😕		×	
F	Respiratory or Skin	Sensitization	✓		STOT – Repeated Exposure	×
	Mutagenicity * Aspiration Hazard *					
😕 - Data eithe	* - Data either not available or does not fill the criteria for classification,					



SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity						
Sulforal	Sulferel Endpoint Test D		Duration Species		Value	Source
Suilorai	Not Available	Not Available		Not Available	Not Available	Not Available
	Endpoint	Test Du	ration	Species	Value	Source
oulfedimethewine	LC50	96h		Fish	>100mg/l	4
sunadimethoxine	EC50	48h		Crustacea	151.83-215.9mg/l	4
	EC10(ECx)	168h		Algae or other aquatic plants	0.019-0.097mg/l	4
Extracted from 1. IUCLID EPIWIN Suite V3.12 (QS/ Aquatic Hazard Assessme Toxic to soil organisms. DO NOT discharge into 12.2 Persistence and deg Ingredient sulfadimethoxine	Toxicity Data 2. E AR) - Aquatic Toxi nt Data 6. NITE (Ja sewer or waterw radability	europe ECF icity Data (apan) - Bioc ays.	HA Reg Estimationcentri Persis	istered Substances - Ecotoxicolog ied) 4. US EPA, Ecotox database ration Data 7. METI (Japan) - Bioco	ical Information - Aqu - Aquatic Toxicity Da ncentration Data 8.Ve	atic Toxicity 3. ata 5. ECETOC andor Data
12.3 Bioaccumulative pot	ential					
Ingredient Bioaccumulation						
sulfadimethoxine			LOW (LogKOW = 1.2889)			
12.4 Mobility in soil						
Ingredient Mobility						
sulfadimethoxine	(KOC = 883.2)					

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods			
Product/ packaging	Containers may still present a chemical hazard/ danger when empty. Return to supplier for reuse/		
disposal	recycling if possible. Otherwise: If container cannot be cleaned sufficiently well to ensure that residuals		
_	do not remain or if the container cannot be used to store the same product, then puncture containers,		
	to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and		
	observe all notices pertaining to the product. DO NOT allow wash water from cleaning or process		
	equipment to enter drains. Where in doubt contact the responsible authority.		
	to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and observe all notices pertaining to the product. DO NOT allow wash water from cleaning or process equipment to enter drains. Where in doubt contact the responsible authority.		

SECTION 14: TRANSPORT INFORMATION					
Labels required					
Marine pollutant NO					
Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS					
Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS					
Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS					
Transport in bulk according to Annex II of MARPOL and the IBC code					
Not Applicable					
Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code					
Product name	Group				
sulfadimethoxine	Not Available				
Transport in bulk in accordance with ICG Code					
Product name	Group				
sulfadimethoxine	Not Available				

SECTION 15: REGULATORY INFORMATION

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

Product regulated by FDA as a veterinary product.

sulfadimethoxine is found on the following regulatory lists

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS), US - Alaska Air Quality Control - Concentrations Triggering an Air Quality Episode for Air Pollutants Other Than PM-2.5, US NIOSH Recommended Exposure Limits (RELs), US OSHA Permissible Exposure Limits (PELs) Table Z-1, US OSHA PELs Table Z-3

Federal Regulations				
Superfund Amendments and Reauthorization Act of 1986 (SARA)				
Section 311/312 hazard categories				
Flammable (Gases, Aerosols, Liquids, or Solids)	No			
Gas under pressure	No			
Explosive	No			
Self-heating	No			
Pyrophoric (Liquid or Solid)	No			
Pyrophoric Gas	No			
Corrosive to metal	No			
Oxidizer (Liquid, Solid or Gas)	No			



Organic Peroxide	No			
Self-reactive		No		
In contact with water emits flammable gas	No			
Combustible Dust	No			
Carcinogenicity	No			
Acute toxicity (any route of exposure)	No			
Reproductive toxicity	No			
Skin Corrosion or Irritation	Yes			
Respiratory or Skin Sensitization	Yes			
Serious eye damage or eye irritation	Yes			
Specific target organ toxicity (single or repeated	No			
Aspiration Hazard	No			
Germ cell mutagenicity	No			
Simple Asphyxiant	No			
Hazards Not Otherwise Classified	No			
US. EPA CERCLA Hazardous Substances and I	Reportable Quantities (40 CF	R 302.4)		
None reported	· · · · · · · · · · · · · · · · · · ·			
State Regulations				
US. California Proposition 65				
None listed				
National Inventory Status				
Australia - AIIC / Australia Non-Industrial Use	Yes			
Canada - DSL	No (sulfadimethoxine)			
Canada - NDSL	No (sulfadimethoxine)			
China - IECSC	Yes			
Europe - EINEC / ELINCS /NLP	Yes			
Japan - ENCS	Yes			
Korea - KECI	Yes			
New Zealand - NZIoC	Yes			
Philippines - PICCS Yes				
USA - TSCA No (sulfadimethoxine)				
Taiwan - TCSI	Yes			
Mexico - INSQ	No (sulfadimethoxine)			
Vietnam - NCI	Vee			
	res			
Russia - FBEPH	No (sulfadimethoxine)			

No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will requireregistration

SECTION 16: OTHER INFORMATION

Initial date: March 2023

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 SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC-TWA: Permissible Concentration-Time Weighted Average STEL: Short Term Exposure Limit PC-STEL: Permissible Concentration-Short Term Exposure Limit TEEL: Temporary Emergency Exposure Limit ES: Exposure Standard IARC: International Agency for Research on Cancer OSF: Odor Safety Factor ACGIH: American Conference of Governmental Industrial Hygienists NOAEL :No Observed Adverse Effect Level IDLH: Immediately Dangerous to Life or Health Concentration LOAEL: Lowest Observed Adverse Effect Level AIIC: Australian Inventory of Industrial Chemicals TLV: Threshold Limit Value IECSC: Inventory of Existing Chemical Substance in China EINECS: European INventory of Existing Commercial chemical LOD: Limit Of Detection OTV: Odor Threshold Value Substances **BCF** BioConcentration Factors ELINCS: European List of Notified Chemical Substances BEI: Biological Exposure Index ENCS: Existing and New Chemical Substances Inventory DSL: Domestic Substances List PICCS: Philippine Inventory of Chemicals and Chemical Substances NDSL: Non-Domestic Substances List INSQ: Inventario Nacional de Sustancias Químicas NLP: No-Longer Polymers NCI: National Chemical Inventory KECI: Korea Existing Chemicals Inventory FBEPH: Russian Register of Potentially Hazardous Chemical and TSCA: Toxic Substances Control Act Biological Substances TCSI: Taiwan Chemical Substance Inventory NZIOC: New Zealand Inventory of Chemicals

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