



Dexamethasone (with Ethanol) Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 06/24/2024
5.2	09/28/2024	752043-00021	Date of first issue: 06/14/2016

SECTION 1. IDENTIFICATION

Product name	:	Dexamethasone (with Ethanol) Formulation					
Manufacturer or supplier's details							
Company name of supplier Address		Merck & Co., Inc 126 E. Lincoln Avenue Rahway, New Jersey U.S.A. 07065					
Telephone Emergency telephone E-mail address	:	908-740-4000 1-908-423-6000 EHSDATASTEWARD@merck.com					
Recommended use of the c	her	nical and restrictions on use					
Recommended use Restrictions on use	:	Veterinary product Not applicable					

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Flammable liquids	:	Category 4		
Reproductive toxicity	:	Category 1B		
GHS label elements Hazard pictograms	:			
Signal Word	:	Danger		
Hazard Statements	:	H227 Combustible liquid. H360D May damage the unborn child.		
Precautionary Statements	:	 Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, sparks, open flame and hot surfaces. No smoking. P280 Wear protective gloves, protective clothing, eye protection and face protection. 		
		Response: P308 + P313 IF exposed or concerned: Get medical attention.		
		Storage: P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.		

according to the OSHA Hazard Communication Standard



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Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

Other hazards

Vapors may form explosive mixture with air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
---------------------	---	---------

Components

Chemical name	CAS-No.	Concentration (% w/w)
Polyethylene glycol	25322-68-3	>= 50 - < 70
Ethanol#	64-17-5	>= 5 - < 10
Benzyl alcohol	100-51-6	>= 0.1 - < 1
Dexamethasone	50-02-2	>= 0.1 - < 1

Voluntarily-disclosed substance

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention.
		Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	May damage the unborn child.
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray Alcohol-resistant foam Carbon dioxide (CO2)



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				Dry chemical	
	Unsuita media	able extinguishing	:	High volume wate	er jet
	Specific fighting	c hazards during fire I	:	fire. Flash back possib Vapors may form	I water stream as it may scatter and spread ble over considerable distance. explosive mixtures with air. bustion products may be a hazard to health.
	Hazard ucts	lous combustion prod-	:	Carbon oxides	
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do
		l protective equipment fighters	:	In the event of fire Use personal prot	e, wear self-contained breathing apparatus. ective equipment.
SEC	CTION 6	. ACCIDENTAL RELE	ASI	E MEASURES	
	tive equ	al precautions, protec- uipment and emer- procedures	:		

Environmental precautions	 Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water.
	Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up	:	Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapors/mists with a water spray jet. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items
		employed in the cleanup of releases. You will need to

according to the OSHA Hazard Communication Standard



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		Sections 13 a	ch regulations are applicable. nd 15 of this SDS provide information regarding r national requirements.
SECTION	7. HANDLING AND ST	ORAGE	
Tech	nical measures		ing measures under EXPOSURE PERSONAL PROTECTION section.
Local	/Total ventilation		ntilation is unavailable, use with local exhaust
Advic	e on safe handling	Do not breath Do not swallow Avoid contact Handle in accor practice, base assessment Keep containe Keep away fro other ignition s Take precaution	
Cond	itions for safe storage	: Keep in prope Keep tightly cl Keep in a coo Store in accor	rly labeled containers. osed. I, well-ventilated place. dance with the particular national regulations. om heat and sources of ignition.
Mate	rials to avoid	: Do not store w Strong oxidizir	vith the following product types: ng agents substances and mixtures

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

	•			-
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Polyethylene glycol	25322-68-3	TWA (aero- sol)	10 mg/m ³	US WEEL
Ethanol	64-17-5	STEL	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m³	OSHA Z-1
Benzyl alcohol	100-51-6	TWA	10 ppm	US WEEL
Dexamethasone	50-02-2	TWA	10 µg/m3 (OEB 3)	Internal
	Further information: Skin			



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			Wipe limit 100 µg/100 cm² Internal						
Engii	neering measures	:	Minimize workplace exposure concentrations. If sufficient ventilation is unavailable, use with local exhaust ventilation.						
Perso	onal protective equip	ment							
Resp	iratory protection	:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.						
Hand	protection								
M	aterial	: Chemical-resistant gloves							
Remarks		:	Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Take note that the product is flammable, which may impact the selection of hand protection. Wash hands before breaks and at the end of workday.						
Eye p	protection	:	Wear the following personal protective equipment:						
Skin a	and body protection	:	Safety glasses Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment: If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing. Skin contact must be avoided by using impervious protective						
Hygiene measures			clothing (gloves, aprons, boots, etc). If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.						

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color

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	Odor		:	No data available)
	Odor T	hreshold	:	No data available)
	рН		:	4.9	
	Melting	point/freezing point	:	No data available)
	Initial b range	oiling point and boiling	:	No data available	
	Flash p	point	:	154 °F / 68 °C	
	Evapor	ation rate	:	No data available)
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	Not applicable	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available)
	Relative	e vapor density	:	No data available)
	Density	,	:	No data available)
	Solubili Wat	ty(ies) er solubility	:	No data available)
	Partitio octanol	n coefficient: n-	:	No data available)
		hition temperature	:	No data available)
	Decom	position temperature	:	No data available)
	Viscosi Visc	ty cosity, kinematic	:	No data available)
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	
	Particle Particle	e characteristics e size	:	No data available	

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SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Combustible liquid. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products	::	Heat, flames and sparks. Oxidizing agents No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

Acute toxicity

Not classified based on available information.

Components:

Polyethylene glycol:Acute oral toxicity:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 423 Remarks: Based on data from similar materials
Acute dermal toxicity :	LD50 (Rat): > 2,000 mg/kg Remarks: Based on data from similar materials
Ethanol:	
Acute oral toxicity :	LD50 (Rat): 10,470 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity :	LC50 (Rat, male): 116.9 mg/l Exposure time: 4 h Test atmosphere: vapor
Acute dermal toxicity :	LD50 (Rabbit): > 15,800 mg/kg
Benzyl alcohol:	
Acute oral toxicity :	LD50 (Rat): 1,200 mg/kg
Acute inhalation toxicity :	LC50 (Rat): > 5.4 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403

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			Assessment: The tion toxicity	substance or mixture has no acute inhala
Dexa	methasone:			
Acute	e oral toxicity	:	LD50 (Rat): > 2,0	00 mg/kg
			LD50 (Mouse): >	6,500 mg/kg
	e toxicity (other routes of nistration)	:	LD50 (Rat): 14 m Application Route	
Skin	corrosion/irritation			
Not c	lassified based on availa	ble	information.	
Com	ponents:			
Polye	ethylene glycol:			
Spec		:	Rabbit	
Meth Resu		:	OECD Test Guide No skin irritation	eline 404
Rema		:		m similar materials
1 conne		•		
Ethai	nol:			
Spec		:	Rabbit	
Meth Resu		÷	OECD Test Guide No skin irritation	eline 404
Nesu	it.	•	NO SKII IIItation	
Benz	yl alcohol:			
Spec		:	Rabbit	
Meth		:	OECD Test Guide	eline 404
Resu	IT	:	No skin irritation	
Dexa	methasone:			
Spec		:	Rabbit	
Resu	lt	:	Mild skin irritation	
Serio	ous eye damage/eye irri	tati	on	
	lassified based on availa			
Com	ponents:			
Polye	ethylene glycol:			
Spec		:	Rabbit	
Resu Metho		:	No eye irritation OECD Test Guide	
Rema		:		m similar materials
Ethai	nol:			
Spec			Rabbit	
opec	153	•	ιταυρίι	
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rsion	Revision Date: 09/28/2024	SDS Number: 752043-00021	Date of last issue: 06/24/2024 Date of first issue: 06/14/2016					
Result Method			Irritation to eyes, reversing within 21 daysOECD Test Guideline 405					
Benzy	l alcohol:							
Specie	es	: Rabbit						
Result Metho		: Irritation to eyes : OECD Test Gui	s, reversing within 21 days deline 405					
Deve								
	nethasone:	: Rabbit						
Specie Result		: Rabbit : Mild eye irritatio	n					
Respi	ratory or skin sensi	tization						
-	ensitization							
Not cla	assified based on ava	ailable information.						
Respi	ratory sensitization							
Not classified based on available information.								
<u>Comp</u>	onents:							
Polyet	thylene glycol:							
Test T		: Maximization Te	est					
	s of exposure	: Skin contact						
Specie Result		: Guinea pig : negative						
Remai			: Based on data from similar materials					
Ethan	ol:							
Test T	уре	: Mouse ear swel	ling test (MEST)					
	s of exposure	: Skin contact	2					
Specie		: Mouse						
Result		: negative						
Benzv	l alcohol:							
Test T		: Human repeat i	nsult patch test (HRIPT)					
Routes	s of exposure	: Skin contact	· · · · /					
Specie		: Humans						
Result		: positive						
Asses	sment	: Probability or ev rate in humans	vidence of low to moderate skin sensitizat					

Components:

Polyethylene glycol:

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Genc	otoxicity in vitro	Result: n	e: Bacterial reverse mutation assay (AMES) egative :: Based on data from similar materials
Etha	nol:		
Geno	otoxicity in vitro		e: Bacterial reverse mutation assay (AMES) OECD Test Guideline 471 egative
			e: In vitro mammalian cell gene mutation test OECD Test Guideline 476 egative
		Test Typ Result: n	e: Chromosome aberration test in vitro egative
Genc	otoxicity in vivo	cytogene Species:	on Route: Ingestion
Benz	yl alcohol:		
Geno	otoxicity in vitro	: Test Typ Result: n	e: Bacterial reverse mutation assay (AMES) egative
Genc	otoxicity in vivo	cytogene Species:	on Route: Intraperitoneal injection
Dexa	methasone:		
Genc	otoxicity in vitro	: Test Typ Result: n	e: Bacterial reverse mutation assay (AMES) egative
			e: in vitro test tem: mouse lymphoma cells egative
Genc	otoxicity in vivo	Species:	on Route: Oral

Carcinogenicity

Not classified based on available information.

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ersio .2	on	Revision Date: 09/28/2024		S Number: 2043-00021	Date of last issue: 06/24/2024 Date of first issue: 06/14/2016		
<u>c</u>	Compo	onents:					
S A E N	Specie: Applica	tion Route ire time	: : : : : : : : : : : : : : : : : : : :	Mouse Ingestion 103 weeks OECD Test G negative	uideline 451		
L	ARC				sent at levels greater than or equal to 0.1% is or confirmed human carcinogen by IARC.		
C	OSHA			this product pr regulated carc	esent at levels greater than or equal to 0.1% inogens.		
Ν	NTP				sent at levels greater than or equal to 0.1% is ted carcinogen by NTP.		
N	May da	Juctive toxicity mage the unborn ch pnents:	ild.				
	-						
	Ethanol: Effects on fertility		:	Test Type: Two-generation reproduction toxicity study Species: Mouse Application Route: Ingestion Result: negative			
F	Renzvl	alcohol:					
	Benzyl alcohol: Effects on fertility		:	Species: Rat Application Result: negation	ertility/early embryonic development oute: Ingestion ive sed on data from similar materials		
E	Effects on fetal development		nt :	Test Type: Embryo-fetal development Species: Mouse Application Route: Ingestion Result: negative			
C	Dexam	ethasone:					
E	Effects on fetal development		nt :	Development			
				Development	bit oute: Intramuscular al Toxicity: NOAEL: 0.025 mg/kg body weight fic developmental abnormalities.		

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ersion .2	Revision Date: 09/28/2024	SDS Number: 752043-00021	Date of last issue: 06/24/2024 Date of first issue: 06/14/2016
		Development	obit coute: Intramuscular tal Toxicity: LOAEL: >= 0.062 mg/kg body weigh ific developmental abnormalities.
		Development	coute: Subcutaneous tal Toxicity: LOAEL: >= 0.02 mg/kg body weight tal and visceral variations ., Retardations.
Repro sessr	oductive toxicity - As- nent	: May damage	the unborn child.
	F-single exposure lassified based on ava	ilable information.	
	F-repeated exposure lassified based on ava	ilable information.	
Com	ponents:		
Route Targe	methasone: es of exposure et Organs ssment		d, Immune system, thymus gland amage to organs through prolonged or repeated
Repe	ated dose toxicity		
<u>Com</u>	<u>ponents:</u>		
	es EL	: Rat : 1,730 mg/kg : 3,200 mg/kg : Ingestion : 90 Days	
Benz	yl alcohol:		
	EL cation Route sure time	: Rat : 1.072 mg/l : inhalation (du : 28 Days : OECD Test C	ust/mist/fume) Guideline 412
Dexa	methasone:		
Speci NOAI Applie	es	: Rat : 0.0015 mg/kg : Oral : 7 d]



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	Remark	ĸs	:	Significant toxicity	v observed in testing
	Exposu	tion Route ire time Organs			and, thymus gland v observed in testing
	Exposu	tion Route ire time Organs		Rat 0.125 mg/kg Oral 6 Weeks Adrenal gland Significant toxicity	v observed in testing
	Exposu	tion Route ire time Organs		Rat 0.4 mg/kg Oral 3 Months Immune system Significant toxicity	v observed in testing
	Exposu	tion Route ire time Organs		Dog 8 mg/kg Oral 3 Months Immune system Significant toxicity	v observed in testing
	•	tion toxicity ssified based on availa	ahla	information	
		ence with human exp			
	Compo	onents:			
	Dexam Ingestic	ethasone: on	:	Target Organs: In Target Organs: A Target Organs: B Symptoms: musc	drenal gland one
SEC	CTION 1	2. ECOLOGICAL INF	ORI	MATION	
	Ecotox	ticity			
	<u>Compo</u>	onents:			
	PolyetI Toxicity	h ylene glycol: / to fish	:	Exposure time: 96 Method: OECD T	

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Ethai					
Toxic	ity to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 14,200 mg/l 3 h	
	ity to daphnia and other tic invertebrates	:	EC50 (Ceriodaph Exposure time: 48	nia dubia (water flea)): 5,012 mg/l 3 h	
Toxic plants	ity to algae/aquatic s	:	ErC50 (Chlorella Exposure time: 72	vulgaris (Fresh water algae)): 275 mg/l 2 h	
			EC10 (Chlorella v Exposure time: 72	ulgaris (Fresh water algae)): 11.5 mg/l 2 h	
Toxic icity)	ity to fish (Chronic tox-	:	NOEC (Oryzias la Exposure time: 10	tipes (Japanese medaka)): >= 79 mg/l)0 d	
	ity to daphnia and other tic invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 9	nagna (Water flea)): 9.6 mg/l d	
	ity to microorganisms	:	EC50 (Protozoa): Exposure time: 4		
Benz	yl alcohol:				
Toxic	ity to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 460 mg/l S h	
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te		
Toxic plants	ity to algae/aquatic s	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD To		
			NOEC (Pseudokin mg/l Exposure time: 72 Method: OECD To		
	ity to daphnia and other tic invertebrates (Chron- icity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD To		
Dexa	methasone:				
	ity to daphnia and other tic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 56 mg/l Exposure time: 48 h Method: OECD Test Guideline 202		
Toxic plants	ity to algae/aquatic s	:	EC50 (Pseudokiro mg/l	chneriella subcapitata (green algae)): > 9.2	

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		Exposure tir Method: OE	ne: 72 h CD Test Guideline 201
		mg/l Exposure tir	udokirchneriella subcapitata (green algae)): 9.2 ne: 72 h CD Test Guideline 201
Toxic icity)	city to fish (Chronic tox-	Exposure tir	ephales promelas (fathead minnow)): 0.033 mg/l ne: 32 d CD Test Guideline 210
Toxic	city to microorganisms		
Pers	istence and degradabil	ity	
Com	ponents:		
-	ethylene glycol: egradability		dly degradable ased on data from similar materials
Etha Biode	nol: egradability	: Result: Rea Biodegrada Exposure tir	
	zyl alcohol: egradability		dily biodegradable. ion: 92 - 96 % ne: 14 d
	amethasone: egradability	Biodegrada Exposure tir	
Bioa	ccumulative potential		
Com	ponents:		
Poly	ethylene glycol:		



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		on coefficient: n- I/water	: log Pow: < 3	
	Ethan	ol:		
		on coefficient: n- l/water	: log Pow: -0.35	
	Benzy	l alcohol:		
		on coefficient: n- l/water	: log Pow: 1.05	
	Dexan	nethasone:		
		on coefficient: n- l/water	: log Pow: 1.83	
	Mobili	ty in soil		
	No dat	a available		
	•	adverse effects a available		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of in accordance with local regulations. Do not dispose of waste into sewer.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number	:	NA 1993
Proper shipping name	:	Combustible liquid, n.o.s.



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Labels ERG (Code e pollutant		s only to containers over 119 gallons or 450 ulated if shipped in packages less than or equal s (450 liters).

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Flammable (gases, aerosols, liquids, or solids) Reproductive toxicity
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know	1	
Polyethylene glycol		25322-68-3
Water Ethanol		7732-18-5 64-17-5
Ethanoi		04-17-5
California List of Hazardous	Substances	
Ethanol		64-17-5
California Permissible Expos	sure Limits for Chemical Contaminants	
Ethanol		64-17-5
The ingredients of this produ	uct are reported in the following inventor	ries:
AICS	: not determined	
DSL	: not determined	
IECSC	: not determined	

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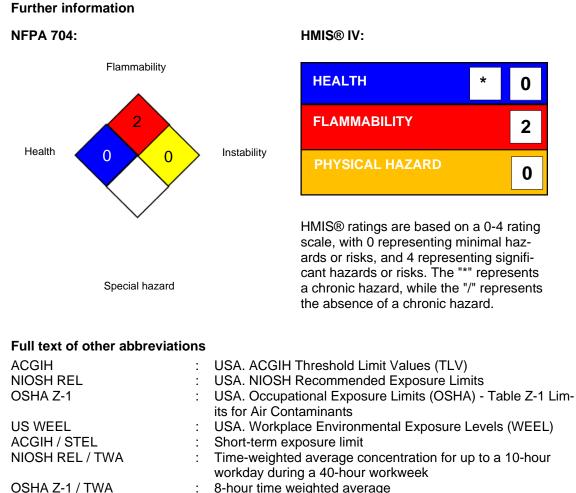
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SECTION 16. OTHER INFORMATION



US WEEL / TWA : 8-hr TWA

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% response; EMS - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemi-



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cals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to : In	ternal technical data, data from raw material SDSs, OECD
	Chem Portal search results and European Chemicals Agen- , http://echa.europa.eu/

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