Version 1.2	Revision Date: 03/19/2015	MSDS Number: 46955-00003	Date of last issue: 02/10/2015 Date of first issue: 01/13/2015		
SECTION	1. IDENTIFICATION				
Produ	uct name	: PURELL® Adva	PURELL® Advanced Hand Sanitizer Gel		
Manı	afacturer or supplier's	details			
	pany name of supplier				
Addre	ess		One GOJO Plaza, Suite 500 Akron OH 44311		
Telep	phone	: 1 (330) 255-600	1 (330) 255-6000		
Emer	gency telephone	: 1-800-424-9300	1-800-424-9300 CHEMTREC		
Reco	mmended use of the o	chemical and restrict	ions on use		
Reco	mmended use	: Hand Sanitizer	: Hand Sanitizer		
Restr	ictions on use	consumers and foreseeable use specifically defin exempt from the While this mater contains valuabl proper use of the as well as unusu spills. This SDS employees and intended-use gu	al care or cosmetic product that is safe for other users under normal and reasonably . Cosmetics and consumer products, ed by regulations around the world, are requirement of an SDS for the consumer. ial is not considered hazardous, this SDS e information critical to the safe handling and e product for industrial workplace conditions ial and unintended exposures such as large should be retained and available for other users of this product. For specific idance, please refer to the information package or instruction sheet.		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Flammable liquids	: Category 3
Eye irritation	: Category 2A
GHS Label element Hazard pictograms	
Signal Word	: Warning
Hazard Statements	: H226 Flammable liquid and vapor. H319 Causes serious eye irritation.



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Preca	autionary Statements	No smoking. P233 Keep cont P241 Use explo- equipment. P242 Use only r P243 Take prec P264 Wash skin P280 Wear prote Response: P303 + P361 + I all contaminated P305 + P351 + I for several minu to do. Continue P337 + P313 If e attention. Storage: P403 + P235 Ste Disposal:	y from heat/sparks/open flames/hot surfaces. ainer tightly closed. sion-proof electrical/ ventilating/ lighting/ hon-sparking tools. autionary measures against static discharge. thoroughly after handling. ective gloves/ eye protection/ face protection. P353 IF ON SKIN (or hair): Take off immediately I clothing. Rinse skin with water/shower. P338 IF IN EYES: Rinse cautiously with water tes. Remove contact lenses, if present and easy rinsing. eye irritation persists: Get medical advice/ ore in a well-ventilated place. Keep cool. f contents/ container to an approved waste

Other hazards

Vapors may form explosive mixture with air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Ethanol	64-17-5	>= 50 - < 70
Propan-2-ol	67-63-0	>= 1 - < 5

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 medi- advice.	cal
If inhaled	If inhaled, remove to fresh air. Get medical attention if symptoms occur.	
In case of skin contact	Wash with water and soap as a precaution. Get medical attention if symptoms occur.	
In case of eye contact	In case of contact, immediately flush eyes with plenty of wa for at least 15 minutes. If easy to do, remove contact lens, if worn.	ater



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lf sw	allowed	Get medical at	tention. O NOT induce vomiting. tention if symptoms occur. horoughly with water.	
Most important symptoms and effects, both acute and delayed		: Causes serious eye irritation.		
Prote	ection of first-aiders	of first-aiders : First Aid responders should pay attention to self-prote and use the recommended personal protective equipr when the potential for exposure exists.		
Note	s to physician	: Treat symptom	atically and supportively.	

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO2)	
Unsuitable extinguishing media	High volume water jet	
Specific hazards during fire fighting	Do not use a solid water stream as it may scatter and s fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to h	
Hazardous combustion prod- ucts	Carbon oxides	
Specific extinguishing methods	Use extinguishing measures that are appropriate to loca circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is sat so. Evacuate area.	
Special protective equipment for fire-fighters	In the event of fire, wear self-contained breathing appar Use personal protective equipment.	ratus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	 Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions	: Discharge into the environment must be avoided.



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		Prevent spreadir barriers). Retain and dispo	eakage or spillage if safe to do so. ng over a wide area (e.g. by containment or oil ose of contaminated wash water. should be advised if significant spillages ned.
	ods and materials for inment and cleaning up	Suppress (knock jet. For large spills, p containment to k can be pumped, container. Clean up remain absorbent. Local or national disposal of this n employed in the determine which Sections 13 and	bls should be used. rt absorbent material. a down) gases/vapors/mists with a water spray provide diking or other appropriate eep material from spreading. If diked material store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and naterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding ational requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.	
Local/Total ventilation	Use with local exhaust ventilation. Use only in an area equipped with explosion proof exh ventilation.	aust
Advice on safe handling	Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and practice. Non-sparking tools should be used. Keep container tightly closed. Keep away from heat and sources of ignition. Take precautionary measures against static discharge Take care to prevent spills, waste and minimize releas environment.	s.
Conditions for safe storage	Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulat Keep away from heat and sources of ignition.	tions.
Materials to avoid	Do not store with the following product types: Strong oxidizing agents	



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		5	s s stances and mixtures mixtures which in contact with water emit

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients	CAS-No.	Value type	Control	Basis
5		(Form of	parameters /	
		exposure)	Permissible	
			concentration	
Ethanol	64-17-5	TWA	1,000 ppm	NIOSH REL
			1,900 mg/m3	
		TWA	1,000 ppm	OSHA Z-1
			1,900 mg/m3	
		STEL	1,000 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm	NIOSH REL
			980 mg/m3	
		ST	500 ppm	NIOSH REL
			1,225 mg/m3	
		TWA	400 ppm	OSHA Z-1
			980 mg/m3	

Ingredients with workplace control parameters

Biological occupational exposure limits

Ingredients	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentratio n	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of work- week	40 mg/l	ACGIH BEI

Engineering measures

: Minimize workplace exposure concentrations. Use only in an area equipped with explosion proof exhaust ventilation. Use with local exhaust ventilation.

Personal protective equipment

Respiratory 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



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			by air purifying re hazardous chemi supplied respirato release, exposure	A approved respirators. Protection provided spirators against exposure to any cal is limited. Use a positive pressure air or if there is any potential for uncontrolled e levels are unknown, or any other ere air purifying respirators may not provide ion.
	protection iterial	:	Impervious gloves	S
Ma	Material		Flame retardant g	gloves
Re	marks	:	on the concentrat time is not determ For special applic resistance to che	protect hands against chemicals depending ion specific to place of work. Breakthrough hined for the product. Change gloves often! ations, we recommend clarifying the micals of the aforementioned protective ove manufacturer. Wash hands before end of workday.
Eye p	protection	:	Wear the followin Safety goggles	g personal protective equipment:
Skin a	and body protection	:	resistance data a potential. Wear the followin Flame retardant a Skin contact mus	e protective clothing based on chemical nd an assessment of the local exposure g personal protective equipment: antistatic protective clothing. t be avoided by using impervious protective aprons, boots, etc).
Hygie	ene measures	:	located close to the When using do not	lushing systems and safety showers are he working place. ot eat, drink or smoke. red clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, Colorless to pale yellow
Odor	: citrus
Odor Threshold	: No data available
рН	: 6.0 - 9.2
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available



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	Flash p	oint	:	25 °C	
	Evapor	ation rate	:	No data available	
	Flammability (solid, gas)		:	Not applicable	
	Upper e	explosion limit	:	No data available)
	Lower e	explosion limit	:	No data available	9
	Vapor p	pressure	:	No data available)
	Relative vapor density		:	No data available)
	Density	,	:	0.89 g/cm3	
	Solubili Wate	ty(ies) er solubility	:	soluble	
	Partition octanol	n coefficient: n- /water	:	Not applicable	
	Autoign	ition temperature	:	No data available)
	Decom	position temperature	:	The substance of	r mixture is not classified self-reactive.
,	Viscosi Visco	ty osity, kinematic	:	1,000 - 35,000 m	m2/s (20 °C)
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reac- tions	 Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Oxidizing agents
Hazardous decomposition products	: 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. Product: Acute oral toxicity Acute oral toxicity Acute oral toxicity Ethanol: Acute oral toxicity Acute oral toxicity Ethanol: Acute oral toxicity Acute oral toxicity Ethanol: Acute oral toxicity LC50 (Rat): > 5,000 mg/kg Acute oral toxicity Exposure time: 4 h Test atmosphere: vapor Propan-2-ol: Acute oral toxicity LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity LD50 (Rat): > 5,000 mg/kg Acute are inhalation toxicity LD50 (Rat): > 5,000 mg/kg Acute are are toxicity LD50 (Rat): > 5,000 mg/kg Skin corrosion/irritation Not classified based on available information. Product: Result: No skin irritation	ersion 2	Revision Date: 03/19/2015	MSDS Nun 46955-000		
Inhalation Skin contact Ingestion Eye contact Acute toxicity Not classified based on available information. Product: Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method Ingredients: Ethanol: Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LC50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vapor Propan-2-ol: : Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LD50 (Rat): > 5,000 mg/kg Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg Skin corrosion/irritation : LD50 (Rat): > 5,000 mg/kg Skin corrosion/irritation : LD50 (Rat): > 5,000 mg/kg Skin corrosion/irritation : LD50 (Rat): > 5,000 mg/kg	ECTION	11. TOXICOLOGICA		ON	
Not classified based on available information.Product:Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodIngredients:Ethanol:Acute oral toxicity: LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity: LD50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vaporPropan-2-ol:Acute inhalation toxicity: LD50 (Rat): > 5,000 mg/kgAcute dermal toxicity: LD50 (Rat): > 5,000 mg/kgSkin corrosion/irritation Not classified based on available information.Product:	Inhala Skin Inges	ation contact stion	es of exposur	e	
Product:Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation methodIngredients:Ethanol:Acute oral toxicity: LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity: LC50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vaporPropan-2-ol:Acute oral toxicity: LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity: LD50 (Rat): > 5,000 mg/kgAcute oral toxicity: LD50 (Rat): > 5,000 mg/kgAcute oral toxicity: LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity: LD50 (Rat): > 5,000 mg/kgAcute dermal toxicity: LD50 (Rat): > 5,000 mg/kgAcute dermal toxicity: LD50 (Rat): > 5,000 mg/kgSkin corrosion/irritationNot classified based on available information.Product:	Acut	e toxicity			
Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method Ingredients: : Method: Calculation method Ethanol:	Not c	lassified based on ava	ilable informat	ion.	
Ethanol: Acute oral toxicity: LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity: LC50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vaporPropan-2-ol: Acute oral toxicity: LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity: LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity: LC50 (Rat): 72.6 mg/l Exposure time: 4 h Test atmosphere: vaporAcute dermal toxicity: LC50 (Rat): 72.6 mg/l Exposure time: 4 h Test atmosphere: vaporAcute dermal toxicity: LD50 (Rat): > 5,000 mg/kgSkin corrosion/irritation Not classified based on available information.Product:					
Acute oral toxicity:LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity:LC50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vaporPropan-2-ol: Acute oral toxicity:LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity:LD50 (Rat): > 5,000 mg/kgAcute inhalation toxicity:LC50 (Rat): 72.6 mg/l Exposure time: 4 h Test atmosphere: vaporAcute dermal toxicity:LC50 (Rat): 72.6 mg/l Exposure time: 4 h Test atmosphere: vaporAcute dermal toxicity:LD50 (Rat): > 5,000 mg/kgSkin corrosion/irritation Not classified based on available information.Product:	Ingre	dients:			
Exposure time: 4 h Test atmosphere: vapor Propan-2-ol: Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l Exposure time: 4 h Test atmosphere: vapor Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg Skin corrosion/irritation Not classified based on available information. Product:			: LD50 (F	Rat): > 5,000 mg/kg	
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg Acute inhalation toxicity : LC50 (Rat): 72.6 mg/l Exposure time: 4 h Test atmosphere: vapor Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg Skin corrosion/irritation Not classified based on available information. Product:	Acute	e inhalation toxicity	Exposu	re time: 4 h	
Exposure time: 4 h Test atmosphere: vapor Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg Skin corrosion/irritation Not classified based on available information. Product:			: LD50 (F	Rat): > 5,000 mg/kg	
Skin corrosion/irritation Not classified based on available information. <u>Product:</u>	Acute	e inhalation toxicity	Exposu	re time: 4 h	
Not classified based on available information. Product:	Acute	e dermal toxicity	: LD50 (F	Rat): > 5,000 mg/kg	
Product:	Skin	corrosion/irritation			
	-		ilable informat	ion.	
Ingredients: Ethanol:					

Species: Rabbit Method: OECD Test Guideline 404 Result: No skin irritation

Propan-2-ol:

Species: Rabbit Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Ingredients:



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Resul	nol: es: Rabbit lt: Irritation to eyes, re od: OECD Test Guide			
Speci	an-2-ol: es: Rabbit t: Irritation to eyes, re	eversing	g within 21 days	
Skin s Respi <u>Produ</u>		sified b Not clas	based on availab ssified based on	le information. available information.
7,0000				
Ethar Test∃ Route Speci	dients: nol: Type: Local lymph no es of exposure: Skin o es: Mouse t: negative			
Test T Route Speci Metho	an-2-ol: Type: Buehler Test es of exposure: Skin c es: Guinea pig od: OECD Test Guide It: negative			
	cell mutagenicity			
	assified based on ava dients:	ailable	information.	
Ethar		:	Test Type: In vi Result: negative	tro mammalian cell gene mutation test
Geno	toxicity in vivo	:	Test Type: Rod Species: Mouse Application Rou Result: negative	ite: Ingestion
	an-2-ol: toxicity in vitro	:	Test Type: Bac Result: negative	terial reverse mutation assay (AMES)
Geno	toxicity in vivo	:	Test Type: Man cytogenetic ass Species: Mouse	



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	nogenicity lassified based on availa	ble inform	ation.		
Inare	dients:				
Propa Speci Applic Expos Metho	an-2-ol: es: Rat cation Route: inhalation (sure time: 104 weeks od: OECD Test Guideling It: negative				
IARC	;	equal to		s product present at levels greater than or entified as probable, possible or confirmed by IARC.	
OSH	A	No ingredient of this product present at levels greater tha equal to 0.1% is identified as a carcinogen or potential ca gen by OSHA.			
NTP		No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinog by NTP.			
-	oductive toxicity assified based on availa	ble inform	ation.		
Ingro	dianta				
	dients:				
Ethar		: Test Speci Applie Metho	es: Mouse cation Rout	generation reproduction toxicity study e: Ingestion Fest Guideline 416	
Ethar Effect	nol: is on fertility	: Test Speci Applie Metho	tes: Mouse cation Rout od: OECD	e: Ingestion	
Ethar Effect	nol:	: Test Speci Applio Metho Resu : Test Speci Applio	es: Mouse cation Rout od: OECD ⁻ It: negative Type: Two- ies: Rat	e: Ingestion	
Ethar Effect Propa Effect	nol: is on fertility an-2-ol:	 Test Speci Applie Metho Resu Test Speci Applie Resu Test Applie Speci Applie 	es: Mouse cation Rout od: OECD ⁻ It: negative Type: Two- les: Rat cation Rout It: negative Type: Embri les: Rat	e: Ingestion Fest Guideline 416 generation reproduction toxicity study	
Ethar Effect Propa Effect	nol: is on fertility an-2-ol: is on fertility	 Test Speci Applie Metho Resu Test Speci Applie Resu Test Speci Applie Resu 	es: Mouse cation Rout od: OECD It: negative Type: Two- les: Rat cation Rout It: negative Type: Embr les: Rat cation Rout It: negative	e: Ingestion Fest Guideline 416 generation reproduction toxicity study e: Ingestion ryo-fetal development	

Assessment: May cause drowsiness or dizziness.



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STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Ingredients:

Ethanol: Species: Rat NOAEL: 2,400 mg/kg Application Route: Ingestion Exposure time: 2 y

Propan-2-ol:

Species: Rat NOAEL: 5000 ppm Application Route: inhalation (vapor) Exposure time: 104 w Method: OECD Test Guideline 413

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients: Ethanol: Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d
Toxicity to bacteria	:	EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h
Propan-2-ol: Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h
Toxicity to algae	:	ErC50 (Scenedesmus quadricauda (Green algae)): > 1,800 mg/l



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		Exposure time:	8 d			
Toxic	ity to bacteria	: EC50 (Pseudomonas putida): > 1,050 mg/l Exposure time: 16 h				
Persi	stence and degrada	bility				
Ingre	dients:					
Ethar Biode	nol: egradability	: Result: Readily Biodegradation: Exposure time:	84 %			
	an-2-ol: gradability	: Result: rapidly degradable				
Bioad	ccumulative potentia	ıl				
Ingre	dients:					
	101: ion coefficient: n- ol/water	: log Pow: -0.35				
Partiti	an-2-ol: ion coefficient: n- ol/water	: log Pow: 0.05				
Mobi	lity in soil					
	ata available					
	r adverse effects ata available					

Disposal methods Waste from residues	: Dispose of in accordance with local regulations.
Contaminated packaging	 Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

UN number	:	UN 1987
Proper shipping name	:	ALCOHOLS, N.O.S.



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Label IATA UN/ID Prope Class Packi Label Packi aircra Packi	ng group s • DGR • No. •r shipping name ng group s ng instruction (cargo	 (Ethanol, Propar 3 III 3 UN 1987 Alcohols, n.o.s. (Ethanol, Propar 3 III Flammable Liqui 366 355 	n-2-ol)	
IMDG UN nu Prope Class Packi Label EmS	-Code umber er shipping name ng group s	: UN 1987 : ALCOHOLS, N.((Ethanol, Propar : 3 : III : 3 : F-E, S-D : no		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.				
Dome 49 CF	estic regulation			
	/NA number er shipping name	: UN 1987 : ALCOHOLS, N.(D.S.	
Class Packi Label	ng group	: 3 : III : FLAMMABLE LI	QUID	

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

: 127

: no

CERCLA Reportable Quantity

ERG Code

Marine pollutant

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 311/312 Hazards : Fire Hazard



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			Acute Health H	azard		
SARA 302		:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.			
SAR	A 313	: The following components are subject to reporting levels established by SARA Title III, Section 313:			orting levels	
			Propan-2-ol	67-63-0	3.013 %	
US S	tate Regulations					
Penn	sylvania Right To K	างพ				
	Ethanol			64-17-5	50 - 70 %	
	Water			7732-18-5	30 - 50 %	
	Propan-2-	ol		67-63-0	1 - 5 %	
New	Jersey Right To Kno	w				
	Ethanol			64-17-5	50 - 70 %	
	Water			7732-18-5	30 - 50 %	
	Propan-2-	ol		67-63-0	1 - 5 %	
Califo	ornia Prop 65		This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.			

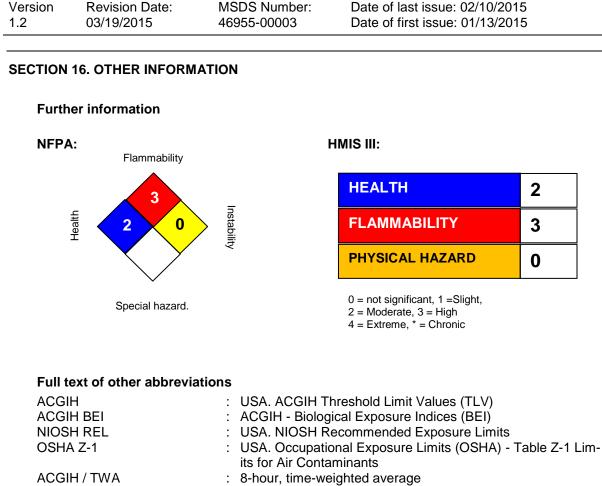
AICS

: All ingredients listed or exempt.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)





ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
NIOSH REL / TWA	 Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	: 8-hour time weighted average
Sources of key data used to compile the Material Safety Data Sheet	: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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US / Z8

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