

SAFETY DATA SHEET

Date Accessed: 25/08/2023

Date Revised: 03/12/2022

SECTION 1. IDENTIFICATION

Product Name: Zirconium Oxide Nanoparticle Dispersion

CAS #: 1314-23-4

Relevant identified uses of the substance: Scientific research and development

Supplier details:

Stanford Advanced Materials

E-mail: sales@samaterials.com

Tel: (949) 407-8904

Address: 23661 Birtcher Dr., Lake Forest, CA 92630 U.S.A.

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Hazards not otherwise classified

No data available.

GHS label elements

The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)

Hazard pictograms

GHS07

Signal word: Warning Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. Precautionary statements P280 Wear protective gloves/protective clothing/eye protection/face protection.P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362 Take off contaminated clothing. P321 Specific treatment (see on this label). P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. WHMIS classification D2B - Toxic material causing other toxic effects Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Health (acute effects) = 1 Flammability = 0 Physical Hazard = 0 Other hazards Results of PBT and vPvB assessment: PBT: N/A. vPvB: N/A.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Dangerous components:

7697-37-2 Nitric acid: 3.0%

Ox. Liq. 3, H272;

Skin Corr. 1A, H314

Additional information

Zirconium is routinely found with a low level of hafnium since separation of the two elements is difficult.

Non-Hazardous Ingredients

1314-23-4 Zirconium(IV) oxide: 20.0%

7732-18-5 Water: 77.0%

SECTION 4. FIRST AID MEASURES

Description of first aid measures

If inhaled:

Supply fresh air. If not breathing, provide artificial respiration. Keep patient warm.

Seek immediate medical advice.

In case of skin contact:

Immediately wash with soap and water; rinse thoroughly.

Seek immediate medical advice.

In case of eye contact:

Rinse opened eye for several minutes under running water. Consult a physician.

If swallowed:

Seek medical treatment.

Information for doctor

Most important symptoms and effects, both acute and delayedNo information available.

Indication of any immediate medical attention and special treatment needed

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Product is not flammable. Use fire-fighting measures that suit the surrounding fire.

Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released:

Nitrogen oxides (NOx)

Metal oxide fume

Advice for firefighters

Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Environmental precautions:

Do not allow material to be released to the environment without official permits.

Methods and material for containment and cleanup:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Prevention of secondary hazards:

No special measures required.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Keep container tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure adequate ventilation.

Information about protection against explosions and fires:

The product is not flammable

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Water reacts with many metals to give hydrogen, often violently. Water is also incompatible with manyreactive organic and inorganic chemicals.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed containers.

Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average

face velocity of at least 100 feet per minute.

Additional information: No data

Exposure controls

Personal protective equipment

Follow typical general protective and industrial hygiene measures for handling chemicals.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes and skin.

Breathing equipment:

Use suitable respirator when high concentrations are present.

Protection of hands:

Impervious gloves

Inspect gloves prior to use.

Suitability of gloves should be determined both by material and quality, the latter of which may vary

manufacturer.

Penetration time of glove material (in minutes): No data available.

Eye protection: Safety glasses

Body protection: Protective work clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:

Form: Dispersion

Color: Translucent white

Odor: Odorless

Odor threshold: No data available.

pH: No data available.

Melting point/range: No data available.

Boiling point/range: No data available.

Sublimation temperature / start: No data available.

Flammability (solid, gas): No data available.

Ignition temperature: No data available.

Decomposition temperature: No data available.

Auto igniting: Product is not selfigniting.

Danger of explosion: No data available.

Explosion limits:

Lower: No data available. Upper: No data available.

Vapor pressure at 20 °C (68 °F): 23 hPa (17 mm Hg)

Density at 20 ŰC (68 ŰF): 1.24 g/cmų (10.348 lbs/gal)

Relative density: No data available.

Vapor density: No data available.

Evaporation rate: No data available.

Solubility in Water (H

2

O): Fully miscible

Partition coefficient (n-octanol/water): No data available.

Viscosity:

Dynamic: No data available.

Kinematic: No data available.

Solvent content:

Organic solvents: 0.0 %

Solids content: 20.0 %

Other information

No information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity			٠.,			٠.,	. :		٠,	
No data available.										
Chemical stability	1	٠.	: ' '	1.		: ' '	٠.,	1.	! ' '	
Stable under recommen	ded stora	age cond	litions.							
Thermal decomposition			avoide	ed:						
Decomposition will not occur if used and stored according to specifications.										
Possibility of hazardous	reactions	5								
Water reacts violently wi	ith alkali ı	netals.	: ' '	1.	1.	! ' '	``.	``.		
Water reacts with many many	,			'	'			,		
reactive organic and ino	rganic ch	emicals.	1.			1.			`·.	
Conditions to avoid										
No information available	- '	٠,	: ' '	1.	``·	! ' '	· · .	10	!''	
Incompatible materials:		٠,		.:			.:			
No data available.										
Hazardous decomposition	on produc	cts:							· '.	
Nitrogen oxides										
Metal oxide fume		· .		,			1	٠,		
		,	1 1	1	1		,			

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for components in this product.

LD/LC50 values that are relevant for classification: 7697-37-2 Nitric acid

Inhalative LC50/4H 0.13 mg/l/4H (rat)

Skin irritation or corrosion: Causes skin irritation.

Eye irritation or corrosion: Causes serious eye irritation.

Sensitization: No sensitizing effects known.

Germ cell mutagenicity: N/A

Carcinogenicity:

ACGIH A4: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent interms of its carcinogenicity in humans and/or animals.

Reproductive toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for components in this product.

Specific target organ system toxicity - repeated exposure: N/A

Specific target organ system toxicity - single exposure: N/A

Aspiration hazard: N/A

Subacute to chronic toxicity: N/A

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

The product shows the following dangers according to internally approved calculation methods for

preparations: Irritant

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity:

No information available.

Persistence and degradability:

No information available.

Bioaccumulative potential:

No information available.

Mobility in soil:

No information available.

Additional ecological information:

General notes:

Do not allow material to be released to the environment without official permits.

Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

Avoid transfer into the environment.

Results of PBT and vPvB assessment:

PBT: N/A.

vPvB: N/A.

Other adverse effects

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods.

Recommendation:

Consult state, local or national regulations to ensure proper disposal.

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agent:

Water, if necessary with cleansing agents.

SECTION 14. TRANSPORT INFORMATION

UN-NumberDOT, ADN, IMDG, IATA

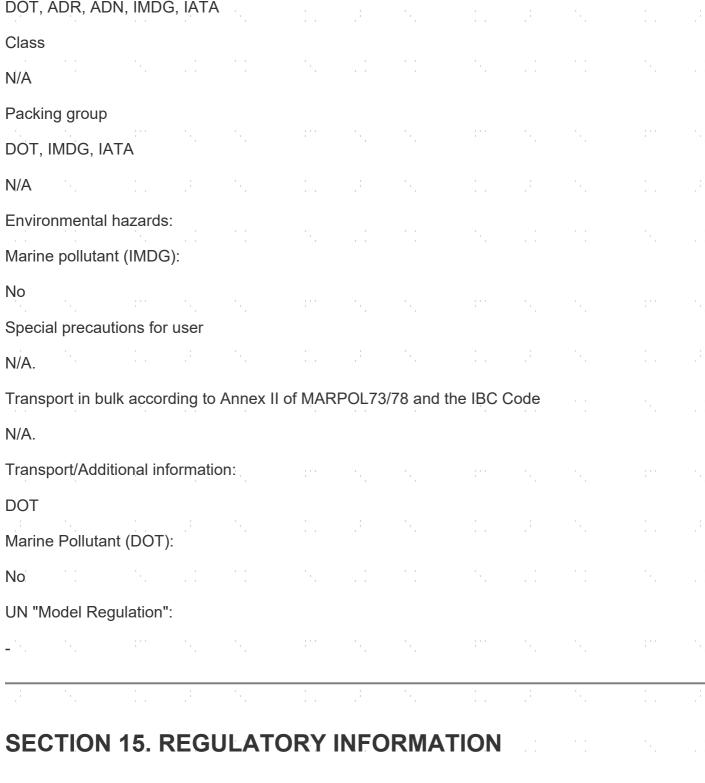
N/A

UN proper shipping name

DOT, ADN, IMDG, IATA

N/A

Transport hazard class(es)



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

GHS label elements

The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)

Hazard pictograms

GHS07

Signal word: Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362

Take off contaminated clothing.

P321

Specific treatment (see on this label).

P332+P313

If skin irritation occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

National regulations

All components of this product are listed in the U.S. Environmental Protection Agency Toxic

Substances Control Act Chemical substance Inventory. All components of this product are listed on the Canadian Domestic Substances List (DSL).

SARA Section 313 (specific toxic chemical listings)

7697-37-2 Nitric acid

3.0%

California Proposition 65

Prop 65 - Chemicals known to cause cancer

None of the ingredients are listed.

Prop 65 - Developmental toxicity

None of the ingredients are listed.

Prop 65 - Developmental toxicity, female

None of the ingredients are listed.

Prop 65 - Developmental toxicity, male

None of the ingredients are listed.

Information about limitation of use:

For use only by technically qualified individuals.

This product is subject to the reporting requirements of section 313 of the Emergency Planning and

Community Right to Know Act of 1986 and 40CFR372.

Other regulations, limitations and prohibitive regulations

Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006.

None of the ingredients are listed.

The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No

1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed.

None of the ingredients is listed.

Annex XIV of the REACH Regulations (requiring Authorisation for use)

None of the ingredients is listed.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)

GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

GHS07

Eye Irrit. 2

H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Hazards not otherwise classified

No data available

GHS label elements

GHS label elements, including precautionary statements

Hazard pictograms

GHS02 GHS07

Signal word	,;			, ;	٠,,			4,		,:
Danger										
Hazard statements			··.						14.	
H225 Highly flammable	e liquid									
H319 Causes serious	eye irril	tation.		'''	1.	: "	'''		111	· · ·
H336 May cause drow	siness	or dizzin	ess.Pred	cautiona	ary state	ments,	, ;	1		, ;
P210 Keep away from heat/s	sparks/	open flar	nes/hot s	surface	s. No sm	noking.		*:	٧.	. :
P261 Avoid breathing dust/fu					4.	111	1	10	:"	٠.
P303+P361+P353 If o	n skin (or hair):	Take off	immed	iately all	contami	nated c	lothing. I	Rinse ski	n witl
water/shower.			٠.,			4			4.	
P305+P351+P338 IF I	N EYE	S: Rinse	cautious	sly with	water fo	r several	minute	s. Remo	ve conta	ct
lenses, if present and	easy to	do. Con	tinue rins	sing,	4		٠.,	1		٠.,
P405 Store locked up.	.:			.:	1		.;	1		.:
P501			4,			1			1.	
Dispose of contents/co	ontaineı	r in accor	dance w	ith loca	al/regiona	al/nationa	al/intern	national r	egulation	IS.
WHMIS classification	٠,	٠.,	111	1	1	111	1.	14,	111	٠.,
B2 - Flammable liquid	;			;			;			:
D2B - Toxic material c	ausing	other tox	ic effects	S						
Classification system			1.			1			1.	
HMIS ratings (scale 0-										
(Hazardous Materials	Identific	cation Sy	stem)	'''	'',	!''	11.	11.	111	٠,
Health (acute effects)	= 1,:	1		, ;	٠,		, ;	٠,		, ;
Flammability = 3 Physical Hazard = 1			4,			14		• ;	9,	. :
Other hazards	4,	4,	:''			111				

PBT: The state of the state of

٨	J	1	Δ

vPvB:

N/A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

CAS No. / Substance Name:

1314-23-4 Zirconium(IV) oxide

Identification number(s):

EC number: 215-227-2

67-63-0 2-Propanol

Identification number(s):

EC number: 200-661-7

Index number: 603-117-00-0

SECTION 4. FIRST AID MEASURES

Description of first aid measures

If inhaled:

Supply patient with fresh air. If not breathing, provide artificial respiration. Keep patient warm.

Seek immediate medical advice.

In case of skin contact:

Immediately wash with soap and water; rinse thoroughly.

Seek immediate medical advice. In case of eye contact:

Rinse opened eye for several minutes under running water. Consult a physician.

If swallowed:

Seek medical treatment.

Information for doctor

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released:

Carbon monoxide and carbon dioxide

Advice for firefighters

Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

Environmental precautions:

Do not allow product to enter drains, sewage systems, or other water courses.

Methods and materials for containment and cleanup:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Prevention of secondary hazards:

Keep away from ignition sources.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Keep container tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation at the workplace.

Information about protection against explosions and fires:Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Information about storage in one common storage facility:

Do not store together with acids.

Store away from oxidizing agents.

Store away from halogens.

Store away from acid anhydrides.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well-sealed containers.

Specific end use(s)

No data available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Personal protective equipment

Follow typical protective and hygienic practices for handling chemicals.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Maintain an ergonomically appropriate working environment.

Breathing equipment:

Use suitable respirator when high concentrations are present.

Recommended filter device for short term use:

Use a respirator with multi-purpose combination (US) or type ABEK (EN 14387) as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards such as NIOSH (USA) or

CEN (EU).

Protection of hands:

Impervious gloves

Inspect gloves prior to use.

Suitability of gloves should be determined both by material and quality, the latter of which may vary by

manufacturer.

Material of gloves

Nitrile rubber, NBR

Penetration time of glove material (in minutes)

Glove thickness

0.4 mm

Eye protection:

Safety glasses

Body protection:

Protective work clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:

Form: Solution

Odor: Alcohol-like

Odor threshold: No data available.

pH: No data available.

Melting point/Melting range: No data available.

Boiling point/Boiling range: No data available.

Sublimation temperature / start: No data available

Flash point: No data available.

Flammability (solid, gas)

No data available.

Ignition temperature: No data available.

Decomposition temperature: No data available

Autoignition: No data available.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures is

possible.

Explosion limits:

Lower: 2 Vol %

Upper: 12 Vol %

Relative density

No data available.		1		, :	٠.,		.:	٠,		, :
Vapor density										
No data available.			14.			··.			14.	,
Evaporation rate No data available.	4.	9,		· .	4,		٠.	4.	:	٠,
Solubility in Water (H	.:	100	: .	. ;	1		.:	٠.,		.:
2 O): Fully miscible	. :	*:	14.			٧,		• ;	14	
Partition coefficient (r	n-octano	l/water):	: "		4			4	: '	٠,
No data available.	,			,	,			,		
Viscosity:	.:	14,	: .		11.			14.		
dynamic at 20 °C (68	°F): 2.4	3 mPas	4.			4.			4.	
Kinematic: No data a	vailable.									
Other information	٠.,	1	: "		4	:"	1	٠.,		٠,
No data available	. ;	1.	1	.:	14.		,i	14.	: .	.:
SECTION 10.									٠,	
Reactivity	٠.,	1.	111	1	1.	: ' '	1.	٠.,	: ' '	٠,
No data available	,:			.:	· .		.:	4		.:

Chemical stability

Stable under recommended storage conditions.

Thermal decomposition / conditions to be avoided:

Decomposition will not occur if used and stored according to specifications.

Possibility of hazardous reactions

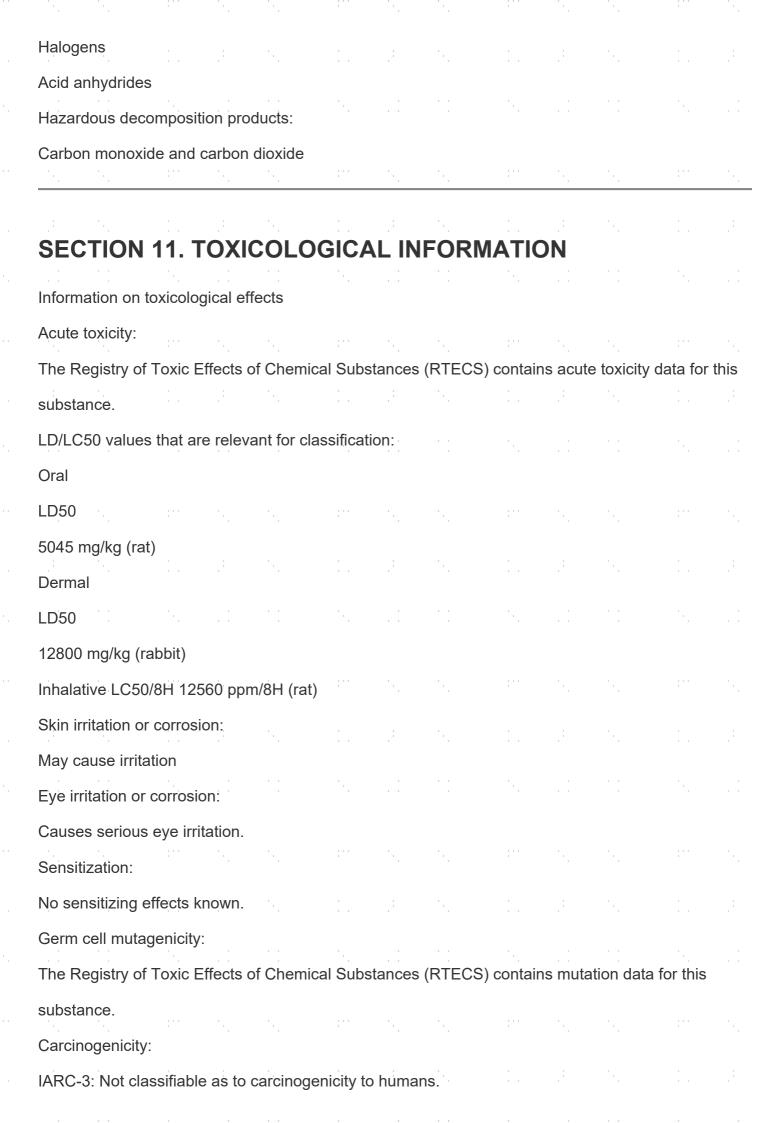
Reacts with strong oxidizing agents

Conditions to avoid

No data available

Incompatible materials:

AcidsOxidizing agents



ACGIH A4: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in

terms of its carcinogenicity in humans and/or animals.

Reproductive toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for this substance.

Specific target organ system toxicity - repeated exposure:

No effects known.

Specific target organ system toxicity - single exposure:

May cause drowsiness or dizziness.

May cause respiratory irritation.

Aspiration hazard:

No effects known.

Subacute to chronic toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for

this substance.

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

SECTION 12. ECOLOGICAL INFORMATIONToxicity

Aquatic toxicity:

No data available ...

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Additional ecolog	gical ir	nformati	ion:		, ;			,;	٠,		.:
Do not allow und	diluted	produc	t or large	quantiti	ies to re	each gro	undwate	r, wateı	r courses	s, or sewa	age
systems.	· · .	. :		1						1	
Avoid transfer in	to the	environ	ment.								
Results of PBT a	and vP	vB ass	essment	111	'''		; ' '	'',	1.	:	
PBT:	: .		14		.:	1		, ;	٠,		.:
N/A vPvB:	٠,	. :		· · · · ·			% ,			٧,	
N/A Other adverse e	ffects										
No data available	e [,]	.:	1.			1		.:	1	: .	.:
	11			'',		1 1	'',			· · · ·	
SECTION	13. [DISP	OSAL	CON	ISID	ERAT	IONS	1		:**	٠.
Waste treatment		ods	9,		.1	4.		.1	1	:.	.:
Consult official re	egulati	ions to	ensure p	roper dis	sposal.		1			1.	
Uncleaned pack	agings	s:									

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agent:

Water, if necessary with cleansing agents.

SECTION 14. TRANSPORT INFORMATION

UN-Number

DOT, IMDG, IATA

UN1219

UN proper shipping name

DOT

Isopropanol (Isopropyl al	cohol)	·		. !	· .		
IMDG, IATA							
ISOPROPANOL (ISOPR	OPYL	ALCOHOL	_)			``.	
Transport hazard class(e	es)						
DOT	`·.	``.	!''		``.	111	'·.
Class	.:	1	: .	. :	1		
3 Flammable liquids. Label			1		· :	5.	
3, a a a a a a a a a a a a a a a a a a a							
3 (F1) Flammable liquids	; ;	1	: .	. 1	1	: .	
Label3			٠.,				
IMDG, IATA							
Class		4	: ' '	٠,	4		
3 Flammable liquids. Label	.:	9,	: .	.:	1	: .	.:
3. 1		1 1	٠,			٠.,	
Packing group							
DOT, IMDG, IATA	1.	4.		1	`·.	111	1
II the state of th							
N/A	. :		`·.			· .	
Special precautions for u							
Warning: Flammable liqu	ıids	4.		' '	``.	: ' '	· .
EMS Number: F-E,S-D	.:			. 1	· .		.:
Transport in bulk accordi	ng to A	nnex II of	MARP	OL73/7	8 and the	IBC Co	de
Transport/Additional info	rmation	1:					
DOT	``.						
Marine Pollutant (DOT):	.:	1		.1	1		.:

UN "Model Regulation":

UN1219, Isopropanol (Isopropyl alcohol), 3, II

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture GHS GHS label elements, including precautionary statements

Hazard pictograms

GHS02

GHS07

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P261

Avoid breathing dust/fume/gas/mist/vapors/spray.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact plenses, if present and easy to do. Continue rinsing.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations

All components of this product are listed in the U.S. Environmental Protection Agency Toxic

Substances Control Act Chemical substance Inventory.

All components of this product are listed on the Canadian Domestic Substances List (DSL).SARA Section 313 (specific toxic chemical listings)

67-63-0 2-Propanol

California Proposition 65

Prop 65 - Chemicals known to cause cancer

Substance is not listed.

Prop 65 - Developmental toxicity

Substance is not listed.

Prop 65 - Developmental toxicity, female

Substance is not listed.

Prop 65 - Developmental toxicity, male

Substance is not listed.

Information about limitation of use:

For use only by technically qualified individuals.

Other regulations, limitations and prohibitive regulations

Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006.

Substance is not listed.

The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No

1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed.

Substance is not listed.

Annex XIV of the REACH Regulations (requiring Authorisation for use)

Substance is not listed.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.