SAFETY DATA SHEET

Techniseal[®]

Structure Bond

GHS product identifier	: Structure Bond
Product code	: Not available.
Other means of identification	: Not available.
Product type	: Aerosol.
Relevant identified uses of	the substance or mixture and uses advised against
Product use	: Sealants
Area of application	: Consumer applications, Professional applications.
Supplier/Manufacturer	: Techniseal 300, avenue Liberté Candiac, QC, Canada, J5R 6X1 Tel: (514) 523-2110 Toll free: 1-800-465-7325 Fax: (450) 633-3035
e-mail address of person responsible for this SDS	: service@techniseal.com
Emergency telephone number (with hours of operation)	: CANUTEC (613) 996-6666

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	:FLAMMABLE AEROSOLS - Category 1H332ACUTE TOXICITY (inhalation) - Category 4H315SKIN IRRITATION - Category 2H319EYE IRRITATION - Category 2AH334RESPIRATORY SENSITIZATION - Category 1H317SKIN SENSITIZATION - Category 1H340GERM CELL MUTAGENICITY - Category 1AH350CARCINOGENICITY - Category 1A
<u>GHS label elements</u> Hazard pictograms	
Signal word	: Danger

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Section 2. Hazards identification

Hazard statements	 P222 - Extremely flammable aerosol. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H340 - May cause genetic defects. H350 - May cause cancer.
Precautionary statements	
Prevention	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves, protective clothing and eye or face protection. P284 - Wear respiratory protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P271 - Use only outdoors or in a well-ventilated area. P261 - Avoid breathing dust or mist. P264 - Wash thoroughly after handling. P251 - Pressurized container: Do not pierce or burn, even after use.
Response	 F308 + P313 - IF exposed or concerned: Get medical advice or attention. P304 + P340, P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor. P362 + P364 - Take off contaminated clothing and wash it before reuse. P363 - Wash contaminated clothing before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
Storage	 P405 - Store locked up. P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Disposal	 P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of identification	: Not available.

Ingredient name	Other names	%	CAS number
tris(2-chloro-1-methylethyl) phosphate	-	10 - <25	13674-84-5
dimethyl ether	-	5 - <10	115-10-6
Isobutane	-	5 - <10	75-28-5
propane	-	1 - <5	74-98-6
butane	-	0.1 - <1	106-97-8
di-"isononyl" phthalate	-	0.01 - <1	28553-12-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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Structure Bond

Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Section 4. First aid measures

Description of necess	ary first aid measures
Eye contact	 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In the event of any complaints or symptoms, avoid further exposure.
Skin contact	: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Potential acute health effe	<u>icts</u>
Eye contact	: Causes serious eye irritation.
Inhalation	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sym	<u>ptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma
Skin contact	: Adverse symptoms may include the following: irritation redness
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Section 4. First aid measures

In	ae	st	ior	
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: No specific data.

Indication of immediate medical attention and special treatment needed, if necessaryNotes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large
quantities have been ingested or inhaled.Specific treatments: No specific treatment.Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. If it is
suspected that fumes are still present, the rescuer should wear an appropriate mask or
self-contained breathing apparatus. It may be dangerous to the person providing aid to
give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water
before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures **Extinguishing media** Suitable extinguishing : Use an extinguishing agent suitable for the surrounding fire. media Unsuitable extinguishing : Do not use water jet. media Specific hazards arising : Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a from the chemical fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. **Hazardous thermal** Decomposition products may include the following materials: decomposition products carbon dioxide carbon monoxide phosphorus oxides halogenated compounds Special protective actions : Promptly isolate the scene by removing all persons from the vicinity of the incident if for fire-fighters there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fire-fighters should wear appropriate protective equipment and self-contained breathing **Special protective** equipment for fire-fighters apparatus (SCBA) with a full face-piece operated in positive pressure mode. : Vapors are heavier than air and may spread along floors. Remark

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: No action shall be taken involving a surrounding areas. Keep unnecess case of aerosols being ruptured, ca pressurized contents and propellar as a bulk material spillage accordin touch or walk through spilled mater or flames in hazard area. Avoid brow Wear appropriate respirator when y	sary and unprotected per ire should be taken due it. If a large number of c ing to the instructions in th ial. Shut off all ignition s eathing vapor or mist. Pr	rsonnel from entering. to the rapid escape of containers are ruptured ne clean-up section. D sources. No flares, sm rovide adequate ventila	In the the d, treat o not noking ation.
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Section 6. Accidental release measures

		protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	nta	inment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
tris(2-chloro-1-methylethyl) phosphate	None.
dimethyl ether	AIHA WEEL (United States, 7/2020).
	TWA: 1000 ppm 8 hours.
Isobutane	NIOSH REL (United States, 10/2016).
	TWA: 800 ppm 10 hours.
	TWA: 1900 mg/m ³ 10 hours.
	ACGIH TLV (United States, 3/2020). Explosive
	potential.
	STEL: 1000 ppm 15 minutes.
propane	NIOSH REL (United States, 10/2016).
	TWA: 1000 ppm 10 hours.
	TWA: 1800 mg/m ³ 10 hours.
	OSHA PEL (United States, 5/2018). TWA: 1000 ppm 8 hours.
	TWA: 1800 mg/m ³ 8 hours.
	ACGIH TLV (United States, 3/2020). Oxygen
	Depletion [Asphyxiant]. Explosive potential.
butane	NIOSH REL (United States, 10/2016).
	TWA: 800 ppm 10 hours.
	TWA: 1900 mg/m ³ 10 hours.
	ACGIH TLV (United States, 3/2020). Explosive
	potential.
	STEL: 1000 ppm 15 minutes.
di-"isononyl" phthalate	None.

Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures	<u>s</u>	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection		

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Section 8. Exposure controls/personal protection

Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance	
Physical state	: Liquid. [Aerosol.]
Color	: Yellow. [Light]
Odor	: Petroleum./Solvent. [Strong]
Odor threshold	: Not available.
рН	: Not available.
Melting point	: Not available.
Boiling point, initial boiling point, and boiling range	: -44°C (-47°F)
Flash point	: Closed cup: -97°C (-142.6°F)
Evaporation rate	: <1 (Ether. = 1)
Flammability	: Vapors are heavier than air and may spread along floors.
Lower and upper explosion limit/flammability limit	: Lower: 3% Upper: 18.6%
Vapor pressure	: <mark>≸</mark> 20 kPa (3900 mm Hg)
Relative vapor density	: >1 [Air = 1]
Relative density	: Not available.
Density	: 0.99 g/cm ³
Solubility	: Insoluble in the following materials: cold water and hot water.
Partition coefficient: n- octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
SADT	: Not available.
Heat of combustion	: 10.41 kJ/g
Viscosity	: Not available.
Flow time (ISO 2431)	: Not available.
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Section 9. Physical and chemical properties

Particle characteristics	
Median particle size	: Not applicable.
Aerosol product	
Type of aerosol Additional information	: Foam
Physical/chemical properties comments	: VOC content (With volume exclusion [water excluded]): 153 g/l VOC content (Method 310): 0.18%

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame).
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
rs(2-chloro-1-methylethyl) phosphate	LD50 Oral	Rat	1500 mg/kg	-
dimethyl ether	LC50 Inhalation Gas.	Rat	164000 ppm	4 hours
	LC50 Inhalation Vapor	Rat	309 g/m³	4 hours
Isobutane	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours
butane	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours
di-"isononyl" phthalate	LC50 Inhalation Dusts and mists	Rat	>4.4 mg/l	4 hours

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
di-"isononyl" phthalate	Skin - Mild irritant	Rabbit	-	-	-

Sensitization

Not available.

<u>Mutagenicity</u> Conclusion/Summary	: Not available.
Carcinogenicity Conclusion/Summary	: Not available.
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Section 11. Toxicological information

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Specific target organ toxici	ty (single exposure)		-			
Name		Category	Route of exposure	Target organs		
dimethyl ether	Category 3	-	Narcotic effects			
Specific target organ toxici	ty (repeated exposure)		·	·		
Not available.						
Aspiration hazard						
Not available.						
Information on the likely routes of exposure	: Routes of entry anticip	oated: Oral, Dermal, Inł	nalation.			
Potential acute health effect	<u>s</u>					
Eye contact	: Causes serious eye irr	ritation.				
Inhalation	: Harmful if inhaled. Ma inhaled.	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.				
Skin contact	: Causes skin irritation.	May cause an allergic	skin reaction.			
Ingestion	: No known significant e	effects or critical hazard	ls.			
Symptoms related to the phy	vsical chemical and toxic	cological characteristi	ice			
Eye contact	: Adverse symptoms ma					
	pain or irritation watering redness					
Inhalation	: Adverse symptoms ma respiratory tract irritation coughing wheezing and breathin asthma	on	j:			
Skin contact	: Adverse symptoms maintritation redness	ay include the following	j:			
Ingestion	: No specific data.					
Delayed and immediate effect	cts and also chronic offer	ets from short and lon	a term exposure			
Short term exposure						
Potential immediate effects	: Not available.					
Potential delayed effects	: Not available.					
Long term exposure						
Potential immediate effects	: Not available.					
Potential delayed effects	: Not available.					

Potential chronic health effects

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Section 11. Toxicological information

General	 Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: May cause genetic defects.
Reproductive toxicity	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
Structure Bond	4380	N/A	N/A	11	N/A
tris(2-chloro-1-methylethyl) phosphate	1500	N/A	N/A	N/A	N/A
dimethyl ether	N/A	N/A	164000	309	N/A
Isobutane	N/A	N/A	N/A	658	N/A
butane	N/A	N/A	N/A	658	N/A
di-"isononyl" phthalate	N/A	N/A	N/A	N/A	1.5

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
rís(2-chloro-1-methylethyl) phosphate	Acute EC50 131 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic NOEC 32 mg/l Fresh water	Daphnia - Daphnia magna	21 days
di-"isononyl" phthalate	Acute EC50 >88 mg/l Fresh water	Algae	72 hours
	Acute EC50 >74 mg/l Fresh water	Daphnia	48 hours
	Acute LC50 >102 mg/l Fresh water	Fish	96 hours
	Acute NOEC 88 mg/l Fresh water	Algae	72 hours
	Chronic NOEC 0.034 mg/l Fresh water	Daphnia - Daphnia magna	21 days

Conclusion/Summary : Not available.

Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
🗗-"isononyl" phthalate	-	81 % - Re	adily - 28 days	-		-
Product/ingredient name	Aquatic ha	lf-life	Photolysis		Biodeg	radability
ris(2-chloro-1-methylethyl) phosphate	-		-		Not rea	dily
dimethyl ether Isobutane	-		-		Not rea Readily	
propane butane	-		-		Readily Readily	,
di-"isononyl" phthalate	-		-		Readily	,

Bioaccumulative potential

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Section 12. Ecological information

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Product/ingredient name	LogPow	BCF	Potential
kis(2-chloro-1-methylethyl) phosphate	2.68	0.8 to 2.8	low
dimethyl ether	0.07	-	low
Isobutane	2.8	-	low
propane	1.09	-	low
butane	2.89	-	low
di-"isononyl" phthalate	8.8 to 9.7	<3	low

Mobility in soil

Soil/water partition	:	Not available.
coefficient (Koc)		

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

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Disposal methods
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: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

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	DOT Classification	IMDG	ΙΑΤΑ
UN number	UN1950	UN1950	UN1950
UN proper shipping name	Aerosols	AEROSOLS	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Additional informa DOT Classification	on : <u>Limited quantity</u> Y <u>Packaging instruc</u>	tion Exceptions: 306. Non-bulk: No Passenger aircraft/rail: 75 kg. Car N82	
IMDG	: Emergency sched		

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Section 14. Transport information

ΙΑΤΑ		Quantity limitation Passenger and Cargo Aircraft: 75 kg. Packaging instructions: 203. Cargo Aircraft Only: 150 kg. Packaging instructions: 203. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y203. Special provisions A145, A167, A802
Special precautions for user	:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Transport in bulk according to IMO instruments	:	Not available.

Section 15. Regulatory information

V nited States inventory (TSCA 8b): All components are	active or exempted.
Clean Air Act (CAA) 112 regulated flammable substanc propane; butane	es : dimethyl ether; lsobutane;
Clean Air Act Section 112 : Not listed (b) Hazardous Air Pollutants (HAPs)	
Clean Air Act Section 602 : Not listed Class I Substances	
Clean Air Act Section 602 : Not listed Class II Substances	
DEA List I Chemicals : Not listed (Precursor Chemicals)	
DEA List II Chemicals : Not listed (Essential Chemicals)	
SARA 302/304	
Composition/information on ingredients	
No products were found.	
SARA 304 RQ : Not applicable.	
SARA 311/312	
Classification : FLAMMABLE AEROSOLS - Category 1 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A RESPIRATORY SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1 GERM CELL MUTAGENICITY - Category 1B CARCINOGENICITY - Category 1A	
Composition/information on ingredients	

Section 15. Regulatory information

Name	%	Classification
tris(2-chloro-1-methylethyl) phosphate	10 - <25	ACUTE TOXICITY (oral) - Category 4
dimethyl ether	5 - <10	FLAMMABLE GASES - Category 1
-		GASES UNDER PRESSURE - Liquefied gas
		SIMPLE ASPHYXIANTS
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Narcotic effects) - Category 3
Isobutane	5 - <10	FLAMMABLE GÁSES - Category 1
		GASES UNDER PRESSURE - Compressed gas
		SIMPLE ASPHYXIANTS
propane	1 - <5	FLAMMABLE GASES - Category 1
		GASES UNDER PRESSURE - Compressed gas
		SIMPLE ASPHYXIANTS
butane	0.1 - <1	FLAMMABLE GASES - Category 1
		GASES UNDER PRESSURE - Compressed gas
		SIMPLE ASPHYXIANTS
di-"isononyl" phthalate	0.01 - <1	ACUTE TOXICITY (inhalation) - Category 4

SARA 313

Not applicable.

State regulations	
Massachusetts	 The following components are listed: METHYL ETHER; DIMETHYL ETHER; ISOBUTANE; PROPANE; BUTANE
New York	: None of the components are listed.
New Jersey	Phe following components are listed: DIMETHYL ETHER; METHYL ETHER; METHANE, OXYBIS-; Isobutane; PROPANE, 2-METHYL-; PROPANE; BUTANE
Pennsylvania	 The following components are listed: METHANE, OXYBIS-; PROPANE, 2-METHYL-; PROPANE; BUTANE

California Prop. 65

WARNING: This product can expose you to Diisononyl phthalate, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
₱iisononyl phthalate	Yes.	-

International regulations

<u>Chemical Weapon Convention List Schedules I, II & III Chemicals</u> Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

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Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

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Classification		Justification	
AMMABLE AEROSOLS - ACUTE TOXICITY (inhalatic SKIN IRRITATION - Catego EYE IRRITATION - Categor RESPIRATORY SENSITIZA SKIN SENSITIZATION - Cat GERM CELL MUTAGENICI CARCINOGENICITY - Cate	n) - Category 4 y 2 / 2A TION - Category 1 egory 1 FY - Category 1B	On basis of test data On basis of test data Expert judgment Expert judgment Expert judgment Expert judgment Expert judgment Expert judgment	
History			
Date of issue/Date of revision	: 06/10/2021		
Date of previous issue	: 01/22/2018		
Version	: 3		
Prepared by	: Sphera Solutions		
Key to abbreviations	: ATE = Acute Toxicity Estimate AMP = Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations		
References	: HCS (U.S.A.)- Hazard Communication Standard International transport regulations	b	
Date of issue/Date of revision	: 06/10/2021 Date of previous issue : 01/22/2	018 Version : 3 14/15	

Section 16. Other information

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of issue/Date of revision