SAFETY DATA SHEET

1. Identification

Product identifier: BT SURFACE DISINFECTANT and DEODORIZING SPRAY- DIN: 02335565

Other means of identification SDS number: RE1000020730

Recommended restrictions Product Use: Disinfectant Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name: Address:	Brodi Specialty Products Ltd 3175 14th Avenue Unit 1
	Markham,Ontario L3R 0H1
Telephone:	1-905-475-6084
Fax:	

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable aerosol

Category 1

Label Elements

Hazard Symbol:



Signal Word:	Danger
Hazard Statement: Precautionary Statements	Extremely flammable aerosol.
Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Storage:	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
Other hazards which do not	None.

result in GHS classification:

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*		
Ethanol		64-17-5	15 - 40%		
Propane, 2-methyl-		75-28-5	10 - 30%		
2-Propanol, 1-methoxy-		107-98-2	1 - 5%		
Propane		74-98-6	1 - 5%		
Morpholine		110-91-8	0.1 - 1%		
Nitrous acid, sodium salt (1:1)		7632-00-0	0.1 - 1%		
* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.					

4. First-aid measures

Ingestion:	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air.
Skin Contact:	Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact:	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.
Most important symptoms/effect	s, acute and delayed
Symptoms:	No data available.
Hazards:	No data available.
Indication of immediate medical	attention and special treatment needed
Treatment:	No data available.
5. Fire-fighting measures	
General Fire Hazards:	Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.
Suitable (and unsuitable) exting	uishing media
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical:	Vapors may travel considerable distance to a source of ignition and flash back.
Special protective equipment an	d precautions for firefighters
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.
Methods and material for containment and cleaning up:	Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.
Notification Procedures:	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.
7. Handling and storage	
Precautions for safe handling:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Conditions for safe storage, including any incompatibilities:	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 2

8. Exposure controls/personal protection

Control Parameters Occupational Exposure Limits

Chemical Identity	Туре	Exposure	Limit Values	Source
Ethanol	TWA	1,000 ppm	1,880 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
Ethanol	15 MIN ACL	1,250 ppm		Canada. Saskatchewan OELs (Occupational Healt and Safety Regulations, 1996, Table 21) (05 2009)
Ethanol	STEL	1,000 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
Ethanol	STEL	1,000 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Ethanol	STEL	1,000 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97 as amended) (07 2007)
	8 HR ACL	1,000 ppm		Canada. Saskatchewan OELs (Occupational Heal and Safety Regulations, 1996, Table 21) (05 2009)
Ethanol	TWA	1,000 ppm	1,880 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Ethanol	STEL	1,000 ppm		US. ACGIH Threshold Limit Values (2009)
Propane, 2-methyl-	STEL	1,000 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (08 2017)
Propane, 2-methyl-	8 HR ACL	1,000 ppm		Canada. Saskatchewan OELs (Occupational Heal and Safety Regulations, 1996, Table 21) (05 2009
	15 MIN ACL	1,250 ppm		Canada. Saskatchewan OELs (Occupational Heal and Safety Regulations, 1996, Table 21) (05 2009
Propane, 2-methyl-	STEL	1,000 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2018)
Propane, 2-methyl-	STEL	1,000 ppm		US. ACGIH Threshold Limit Values (03 2018)
2-Propanol, 1-methoxy-	STEL	150 ppm	553 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
2-Propanol, 1-methoxy-	TWA	50 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97 as amended) (07 2007)
	STEL	75 ppm		Canada. British Columbia OELs. (Occupational

				Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
2-Propanol, 1-methoxy-	TWA	50 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
	STEL	100 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
	TWA	100 ppm	369 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
2-Propanol, 1-methoxy-	TWA	50 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2013)
2-Propanol, 1-methoxy-	8 HR ACL	100 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	15 MIN ACL	150 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	STEL	100 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2013)
2-Propanol, 1-methoxy-	TWA	100 ppm	369 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	150 ppm	553 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
2-Propanol, 1-methoxy-	TWA STEL	50 ppm 100 ppm		US. ACGIH Threshold Limit Values (02 2013) US. ACGIH Threshold Limit Values (02 2013)
Propane	TWA	1,000 ppm		Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
Propane	8 HR ACL	1,000 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Propane	TWA	1,000 ppm	1,800 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Propane	TWA	1,000 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	15 MIN ACL	1,250 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Morpholine	TWA	20 ppm	71 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
Morpholine	TWA	20 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Morpholine	TWA	20 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
Morpholine	TWA	20 ppm	71 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)
Morpholine	15 MIN ACL	30 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	8 HR ACL	20 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Morpholine	TWA	20 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
Morpholine	TWA	20 ppm		US. ACGIH Threshold Limit Values (2008)
2-Propanol, 2-methyl-	TWA	100 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
2-Propanol, 2-methyl-	TWA	100 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
2-Propanol, 2-methyl-	TWA	100 ppm	303 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
2-Propanol, 2-methyl-	8 HR ACL	100 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	15 MIN ACL	125 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
2-Propanol, 2-methyl-	TWA	100 ppm	303 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
2-Propanol, 2-methyl-	TWA	100 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
2-Propanol, 2-methyl-	TWA	100 ppm		US. ACGIH Threshold Limit Values (2008)

1-Propanol, 2-methoxy-	TWA	20 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
	STEL	40 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
2-Pentanone, 4-methyl-	TWA	50 ppm	205 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
	STEL	75 ppm	307 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
2-Pentanone, 4-methyl-	8 HR ACL	50 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	15 MIN ACL	75 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
2-Pentanone, 4-methyl-	TWA	20 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (05 2013)
	STEL	75 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
2-Pentanone, 4-methyl-	STEL	75 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
2-Pentanone, 4-methyl-	STEL	75 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
	TWA	20 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
	TWA	20 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)
2-Pentanone, 4-methyl-	TWA	50 ppm	205 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	STEL	75 ppm	307 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
2-Pentanone, 4-methyl-	STEL TWA	75 ppm 20 ppm		US. ACGIH Threshold Limit Values (2008) US. ACGIH Threshold Limit Values (01 2010)
Ethanol, 2-methoxy-	TWA	0.1 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Ethanol, 2-methoxy-	TWA	0.1 ppm	0.3 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (07 2009)
Ethanol, 2-methoxy-	8 HR ACL	5 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Ethanol, 2-methoxy-	TWA	0.1 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
Ethanol, 2-methoxy-	TWA	5 ppm	16 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Ethanol, 2-methoxy-	TWA	0.1 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (12 2007)
	15 MIN ACL	8 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Ethanol, 2-methoxy- 1,2-Ethanediamine	TWA TWA	0.1 ppm 10 ppm	25 mg/m3	US. ACGIH Threshold Limit Values (2008) Canada. Alberta OELs (Occupational Health &
1,2-Ethanediamine	TWA	10 ppm		Safety Code, Schedule 1, Table 2) (10 2006) Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
1,2-Ethanediamine	15 MIN ACL	15 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
1,2-Ethanediamine	TWA	10 ppm	25 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	8 HR ACL	10 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
1,2-Ethanediamine	TWA	10 ppm		Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
1,2-Ethanediamine	TWA	10 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)

1,2-Ethanediamine	TWA	10 ppm		US. ACGIH Threshold Limit Values (2008)
Morpholine, 4-ethyl-	TWA	5 ppm	24 mg/m3	Canada. Alberta OELs (Occupational Health &
Morpholine, 4-ethyl-	8 HR ACL	5 ppm		Safety Code, Schedule 1, Table 2) (10 2006) Canada. Saskatchewan OELs (Occupational Health and Safety Begulationa, 1006, Table 21) (05 2000)
Morpholine, 4-ethyl-	TWA	5 ppm		and Safety Regulations, 1996, Table 21) (05 2009) Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
Morpholine, 4-ethyl-	TWA	5 ppm		Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Morpholine, 4-ethyl-	TWA	5 ppm		Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Morpholine, 4-ethyl-	TWA	5 ppm	24 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
	15 MIN ACL	8 ppm		Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Morpholine, 4-ethyl-	TWA	5 ppm		US. ACGIH Threshold Limit Values (2008)
Silica - Total	TWA		4 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Silica - Respirable.	TWA		1.5 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Silica - Respirable dust.	TWA		6 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Sodium hydroxide (Na(OH))	Ceiling		2 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Sodium hydroxide (Na(OH))	CEILING		2 mg/m3	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
Sodium hydroxide (Na(OH))	CEILING		2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Sodium hydroxide (Na(OH))	CEILING		2 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
Sodium hydroxide (Na(OH))	CEV		2 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (12 2007)
Sodium hydroxide (Na(OH))	CEILING		2 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Sodium hydroxide (Na(OH))	Ceiling		2 mg/m3	US. ACGIH Threshold Limit Values (2008)
Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl-	TWA		10 mg/m3	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) (10 2006)
Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl Vapor and aerosol, inhalable.	TWA		2 mg/m3	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)
Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl Inhalable fraction and vapor.	8 HR ACL		2 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
	15 MIN ACL		4 mg/m3	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21) (05 2009)
Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl Inhalable fraction and vapor.	TWA		2 mg/m3	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) (03 2011)
Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl Inhalable fraction and vapor.	TWA		2 mg/m3	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)
Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl-	TWA		10 mg/m3	Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)
Phenol, 2,6-bis(1,1- dimethylethyl)-4-methyl Inhalable fraction and vapor.	TWA		2 mg/m3	US. ACGIH Threshold Limit Values (2008)

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection:	No data available.
Other:	No data available.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	When using do not smoke. Observe good industrial hygiene practices.

9. Physical and chemical properties

Physical state:iiquidForm:Spray AerosolColor:No data available.OdorNo data available.Odor threshold:No data available.OdtNo data available.PH:No data available.Initial boiling point and boiling range:Estimated 70.79 °CFlash Point:Estimated 104.4 °CEvaporation rate:No data available.Upper/lower limit on flammability or explosiveIstimated 13.7 %(V)Flammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 13.7 %(V)Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Vapor density:No data available.Solubility (inter:):No data available.Solubility (inter:):No data available.Partition coefficient (n-octanol/water):No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Partition coefficient (n-octanol/water):No data available.Partition temperature:No data available.Partition coefficient (n-octanol/water):No data available.Partition temperature:No data available.Partition temperature:No data available.Partition temperature:No data available.Partition temperature: <th< th=""><th>Appearance</th><th></th></th<>	Appearance	
Color:No data available.Odor:No data available.Odor threshold:No data available.pH:No data available.Melting point/freezing point:No data available.Melting point/freezing point:No data available.Initial boiling point and boiling range:Estimated 70.79 °CFlash Point:Estimated -104.4 °CEvaporation rate:No data available.Upper/lower limit on flammability or explosive limitsFlammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsFlammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Vapor density:No data available.Solubility (in water:No data available.Solubility (ther):No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Physical state:	liquid
Odor:No data available.Odor threshold:No data available.PH:No data available.Melting point/freezing point:No data available.Initial boiling point and boiling range:Estimated 70.79 °CFlash Point:Estimated -104.4 °CEvaporation rate:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsFlammability (solid, gas):Flammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - upper (%):No data available.Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Solubility (inwater:No data available.Solubility (other):No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Form:	Spray Aerosol
Odor threshold:No data available.pH:No data available.Melting point/freezing point:No data available.Initial boiling point and boiling range:Estimated 70.79 °CFlash Point:Estimated -104.4 °CEvaporation rate:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosiveImitsFlammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - upper (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - upper (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Solubility in water:No data available.Solubility (other):No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Partition temperature:No data available.Decomposition temperature:No data available.	Color:	No data available.
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Melting point/freezing point:No data available.Initial boiling point and boiling range:Estimated 70.79 °CFlash Point:Estimated -104.4 °CEvaporation rate:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsFlammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Pensity:No data available.Solubility(ies)No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Odor threshold:	No data available.
Initial boiling point and boiling range:Estimated 70.79 °CFlash Point:Estimated -104.4 °CEvaporation rate:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsEstimated 13.7 %(V)Flammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Solubility(ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	pH:	No data available.
Flash Point:Estimated -104.4 °CEvaporation rate:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsFlammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Solubility(ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Melting point/freezing point:	No data available.
Evaporation rate:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsFlammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Density:No data available.Solubility(ies)No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Initial boiling point and boiling range:	Estimated 70.79 °C
Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsFlammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Density:No data available.Solubility (ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Flash Point:	Estimated -104.4 °C
Upper/lower limit on flammability or explosive limitsFlammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Density:No data available.Relative density:No data available.Solubility (ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Evaporation rate:	No data available.
Flammability limit - upper (%):Estimated 13.7 %(V)Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Density:No data available.Relative density:No data available.Solubility (ies)No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Flammability (solid, gas):	No data available.
Flammability limit - lower (%):Estimated 4.1 %(V)Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Density:No data available.Relative density:No data available.Solubility (ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Upper/lower limit on flammability or explos	ive limits
Explosive limit - upper (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Density:No data available.Relative density:No data available.Solubility(ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Flammability limit - upper (%):	Estimated 13.7 %(V)
Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Density:No data available.Relative density:No data available.Solubility(ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Flammability limit - lower (%):	Estimated 4.1 %(V)
Vapor pressure:No data available.Vapor density:No data available.Density:No data available.Relative density:No data available.Solubility(ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.No data available.No data available.No data available.No data available.No data available.No data available.	Explosive limit - upper (%):	No data available.
Vapor density:No data available.Density:No data available.Relative density:No data available.Solubility(ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Explosive limit - lower (%):	No data available.
Density:No data available.Relative density:No data available.Solubility(ies)No data available.Solubility (other):No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Vapor pressure:	No data available.
Relative density:No data available.Solubility(ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Vapor density:	No data available.
Solubility(ies)No data available.Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Density:	No data available.
Solubility in water:No data available.Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Relative density:	No data available.
Solubility (other):No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Solubility(ies)	
Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Solubility in water:	No data available.
Auto-ignition temperature:No data available.Decomposition temperature:No data available.	Solubility (other):	No data available.
Decomposition temperature: No data available.	Partition coefficient (n-octanol/water):	No data available.
	Auto-ignition temperature:	No data available.
Viscosity: No data available.	Decomposition temperature:	No data available.
	Viscosity:	No data available.

10. Stability and reactivity

Reactivity:

No data available.

Chemical Stability:

Material is stable under normal conditions.

Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Information on likely routes of exposure Inhalation: No data available.

Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix: 70,256.42 mg/kg
Dermal Product:	ATEmix: 151,478.79 mg/kg
Inhalation Product:	Not classified for acute toxicity based on available data.
Specified substance(s): Ethanol	LC 50 (Rat): 124.7 mg/l LC 50: > 5 mg/l
2-Propanol, 1-methoxy-	LC 50: > 100 mg/l LC 50: > 100 mg/l
Propane	LC 50: > 100 mg/l LC 50: > 100 mg/l
Morpholine	LC 50: > 24 mg/l LC 50: > 5 mg/l LC 0 (Rat): 24 mg/l
Nitrous acid, sodium salt (1:1)	LC 0 (Rat): 0.0951 mg/l
Repeated dose toxicity Product:	No data available.

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Specified substance(s):	
Ethanol	NOAEL (Rat(Male), Oral, 7 - 14 Weeks): 10 %(m) Oral Experimental result, Key study
Propane, 2-methyl-	NOAEL (Rat(Female, Male), Inhalation, >= 42 d): 16,000 ppm(m) Inhalation Experimental result, Key study
	NOAEL (Rat(Female, Male), Inhalation): 21,394 mg/m3 Inhalation Experimental result, Key study
2-Propanol, 1-methoxy-	NOAEL (Rat(Female, Male), Inhalation, 13 Weeks): 1,000 ppm(m) Inhalation
	Experimental result, Key study NOAEL (Rabbit(Female, Male), Dermal, 3 Months): 4,600 mg/kg Dermal
Propane	Experimental result, Supporting study NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation
	Experimental result, Key study LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation
Morpholine	Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation): 36 ppm(m) Inhalation Experimental
Wolpholine	result, Key study
	LOAEL (Rat(Female), Oral, 56 d): 500 mg/kg Oral Experimental result, Key study
Nitrous acid, sodium salt	LOAEL (Rat(Male), Oral, 14 Weeks): 115 mg/kg Oral Experimental result,
(1:1)	Weight of Evidence study NOAEL (Rat(Male), Oral, 2 yr): 10 mg/kg Oral Experimental result,
	Supporting study
Skin Corrosion/Irritation	
Product:	No data available.
Specified substance(s): Ethanol	in vivo (Rabbit): Not irritant Experimental result, Key study
2-Propanol, 1-methoxy-	in vivo (Rabbit): Not irritant Experimental result, Key study
Morpholine	in vivo (Rabbit): Corrosive Experimental result, Key study
Nitrous acid, sodium salt (1:1)	in vivo (Rabbit): Not irritant Experimental result, Weight of Evidence study
Serious Eye Damage/Eye Irritatio	n .
Product:	No data available.
Specified substance(s):	
Ethanol 2-Propanol, 1-methoxy-	Rabbit, 1 - 24 hrs: Not irritating Rabbit, 24 - 72 hrs: Not irritating
Respiratory or Skin Sensitization	
Product:	No data available.
Specified substance(s): Ethanol	Skin sensitization:, in vivo (Guinea pig): Non sensitising
2-Propanol, 1-methoxy- Morpholine	Skin sensitization:, in vivo (Guinea pig): Non sensitising Skin sensitization:, in vivo (Guinea pig): Non sensitising
Carcinogenicity Product:	No data available.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens <mark>:</mark> No carcinogenic components identified		
ACGIH Carcinogen List: No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Product:	Single Exposure No data available.	
Specified substance(s): 2-Propanol, 1-methoxy-	Narcotic effect Category 3 with narcotic effects.	
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	
Aspiration Hazard Product:	No data available.	
Other effects:	No data available.	

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:	No data available.
Specified substance(s): Ethanol	LC 50 (Pimephales promelas, 96 h): 15.3 g/l Experimental result, Key study
2-Propanol, 1-methoxy-	LC 50 (Pimephales promelas, 96 h): 20,800 mg/l Experimental result, Key study
Propane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Morpholine	LC 50 (Oncorhynchus mykiss, 96 h): 180 mg/l Experimental result, Key study
Nitrous acid, sodium salt (1:1)	LC 50 (Paralichthys orbignyanus, 96 h): 118.3 mg/l Experimental result, Supporting study
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Ethanol	LC 50 (Ceriodaphnia dubia, 48 h): 5,012 mg/l Experimental result, Key study
2-Propanol, 1-methoxy-	EC 50 (Daphnia magna, 48 h): >= 1,000 mg/l Experimental result, Supporting study

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Morpholine	EC 50 (Daphnia magna, 48 h): 45 mg/l Experimental result, Key study
Nitrous acid, sodium salt (1:1)	EC 50 (48 h): Estimated 0.5 mg/l EC 50 (Daphnia magna, 48 h): 15.4 mg/l Experimental result, Key study
Chronic hazards to the aquati	c environment:
Fish Product:	No data available.
Specified substance(s): Ethanol	NOAEL (Oryzias latipes): 7,900 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study
Nitrous acid, sodium salt (1:1)	NOAEL (Cyprinus carpio): 1.05 mg/l Experimental result, Key study
Aquatic Invertebrates Product:	No data available.
Specified substance(s): Ethanol	LC 50 (Daphnia magna): 454 mg/l Experimental result, Key study NOAEL (Daphnia magna): 9.6 mg/l Experimental result, Key study
Morpholine	EC 50 (Daphnia magna): 12 mg/l Experimental result, Key study NOAEL (Daphnia magna): 5 mg/l Experimental result, Key study
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
Specified substance(s): Ethanol	95 % Detected in water. Experimental result, Key study
Propane, 2-methyl-	100 % Detected in water. QSAR, Weight of Evidence study
Propane	100 % (385.5 h) Detected in water. Experimental result, Key study 50 % (3.19 d) Detected in water. QSAR, Weight of Evidence study
Morpholine	 > 90 % (24 h) Sediment Experimental result, Key study 80 - 94 % (24 h) Sediment Experimental result, Key study
Nitrous acid, sodium salt (1:1)	95 % (10 d) The 10-day window requirement is fulfilled.
BOD/COD Ratio Product:	No data available.
Bioaccumulative potential Bioconcentration Factor (BC Product:	CF) No data available.
Specified substance(s): Ethanol	Cyprinus carpio, Bioconcentration Factor (BCF): 4.5 Aquatic sediment Read- across from supporting substance (structural analogue or surrogate), Supporting study
Morpholine	Cyprinus carpio, Bioconcentration Factor (BCF): < 2.8 Aquatic sediment Experimental result, Key study

Partition Coefficient n-octanol / water (log Kow) Product: No data available.

Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments

Ethanol	No data available.
Propane, 2-methyl-	No data available.
2-Propanol, 1-methoxy-	No data available.
Propane	No data available.
Morpholine	No data available.
Nitrous acid, sodium salt (1:1)	No data available.

Other adverse effects:

No data available.

13. Disposal considerations

Disposal instructions:	Wash before disposal. Dispose to controlled facilities.
Contaminated Packaging:	No data available.

14. Transport information

TDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): EmS No.: Packing Group:	UN 1950 Aerosols, flammable 2.1 –
Environmental Hazards: Marine Pollutant	No No
Special precautions for user:	Not regulated.
IMDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): EmS No.:	UN 1950 Aerosols, flammable 2 –
Packing Group:	-
Environmental Hazards: Marine Pollutant	No No
Special precautions for user:	Not regulated.
IATA UN Number: Proper Shipping Name: Transport Hazard Class(es): Class: Label(s): Packing Group:	UN 1950 Aerosols, flammable 2.1 –
Environmental Hazards: Marine Pollutant	No No
Special precautions for user:	Not regulated.

15. Regulatory information

Canada Federal Regulations

List of Toxic Substances (CEPA, Schedule 1)

Chemical Identity

1-Propanol, 2-methoxy-Ethanol, 2-methoxy-

Export Control List (CEPA 1999, Schedule 3)

Chemical Identity Ethanol, 2-methoxy-

National Pollutant Release Inventory (NPRI)

Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional **Reporting Requirements**

NPRI PT5

Ethanol Propane, 2-methyl-Propane 2-Pentanone, 4-methyl-

Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4) NPRI

Not Regulated

Greenhouse Gases

Not Regulated

Controlled Drugs and Substances Act

CA CDSI	Not Regulated
CA CDSII	Not Regulated
CA CDSIII	Not Regulated
CA CDSIV	Not Regulated
CA CDSV	Not Regulated
CA CDSVII	Not Regulated
CA CDSVIII	Not Regulated

Precursor Control Regulations

Not Regulated

International regulations

Montreal protocol Not applicable

Stockholm convention Not applicable

Rotterdam convention Not applicable

Kyoto protocol

Not applicable

Inventory Status: Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Ontario Inventory:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Mexico INSQ:	Not in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	Not in compliance with the inventory.

16.Other information, including date of preparation or last revision

Issue Date:	03/13/2020
Revision Date:	No data available.
Version #: Further Information:	1.0 No data available.
Disclaimer:	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.