

Safety Data Sheet

Section 1 - Product Information					
Product Name: big pine plus			Supplier: Intercon Chemical Company		
Product Code Number: 250P		Information Phone: 1-314-771-6600		Address: 1100 Central Industrial Drive St. Louis MO 63110	
Product use: disinfectant	Emergency Contact: CHEMTREC 1-800-424-9300				
Section 2 - Hazard Identification					
Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200					
Section 2.1 - Label Elements					
Hazard Pictograms NA		Precautionary Statements: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P262 Do not get in eyes, on skin, or on clothing. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.			
Signal Word: NA		Response: P314 Get medical advice/ attention if you feel unwell.			
Hazard Statements: NA		Storage: P402 + P404 Store in a dry place. Store in a closed container. P410 + P403 Protect from sunlight. Store in a well-ventilated place. Disposal: P501 Dispose of contents/container in accordance with local regulation.			
Section 3 - Composition					
Chemical Name		CAS #		Percent w/w	
Alkyl (C12-16) dimethylbenzyl ammonium chloride		68424-85-1		1-5	
Propan-2-ol ;Isopropanol		67-63-0		1-5	
Section 4 - First Aid Measures					
If Inhaled: Move to fresh air. If symptoms persist, call a physician.					
In case of skin contact: After contact with skin, wash immediately with plenty of soap and water. In the case of skin irritation or allergic reactions see a physician.					
In case of eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.					
If swallowed: If accidentally swallowed obtain immediate medical attention. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.					
Most important symptoms and effects, both acute and delayed. None known.					
Section 5 - Fire and Explosion Hazard Data					
Flash Point:	Limits	Extinguishing Media:		Special Fire Fighting Procedures: In the event of fire, wear self-contained breathing apparatus. Unusual Fire & Explosion Hazard: Use water spray to cool unopened containers.	
> 200°F	LEL: NE	Dry powder, Water spray, Foam			
	UEL: NE				
Section 6 - Accidental Release Measures					
Use respirator when performing operations involving potential exposure to vapor of the product. Prevent product from entering drains. Sweep up or vacuum up spillage and collect in suitable container for disposal.					
Section 7 - Handling and Storage					
Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Keep tightly closed in a dry and cool place.					
Section 8 - Exposure Controls/PPE					
Components with workplace control parameters					
Ingredient	CAS No.	Form of exposure	Control parameters / Permissible concentration	Basis	PPE
Propan-2-ol ;Isopropanol	67-63-0	TWA	200 ppm	ACGIH	Respiratory: In the case of vapor formation use a respirator with an approved filter.
		STEL	400 ppm	ACGIH	Eye: Tightly fitting safety goggles
		REL	400 ppm 980 mg/m3	NIOSH/GUIDE	Skin: Choose body protection according to the amount and concentration of the dangerous substance at the work place. No special protective equipment required.
		STEL	500 PPM 1,225 mg/m3	NIOSH/GUIDE	Hand: Rate of permeability > 480 min - Nitrile rubber

Biological occupational exposure limits						
Ingredient	CAS No.	Control parameter	Biological specimen	Sampling time	Permissible concentration	Basis
Propan-2-ol ;Isopropanol	67-63-0	Acetone	Urine	Sampling time: End of shift at end of work week	40mg/l	ACGIH BEI

Hygiene Measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical and Chemical Properties

Appearance	Odor	Odor Threshold	pH	Melting Point	Boiling point	Evaporation rate	Flammability	Upper/lower flammability limits	Vapor pressure
Green liquid	pine	NE	6-8	NE	212°F	< 1 (water = 1)	not flammable	NA	NE
Vapor Density	Density (lbs/gal)	Specific Gravity	pH(use dil)	Solubility	Partition coefficient	Auto Ignition temp	Decomposition Temp	Viscosity	
> 1 (air = 1)	8.33	1	6-8	complete	NE	NA	thin	NE	

Section 10 - Stability and Reactivity

Possibility of hazardous reactions: None known. Stable

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors.

Section 11- Toxicological Information

Information on likely routes of exposure: Eyes, skin, inhalation, ingestion

Acute toxicity	
Acute oral toxicity	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute dermal toxicity	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Carcinogenicity	
IARC	Human carcinogen - Propan-2-ol CAS No.67-63-0 No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
Further information:	Remarks: Information given is based on data on the components and the toxicology of similar products.

The following toxicological data refer to: Alkyl (C12-16) dimethylbenzyl ammonium chloride (CAS-No.: 68424-85-1)

Acute toxicity		Skin corrosion/irritation	Respiratory or skin sensitization
Acute oral toxicity	LD50 (Rat): ca. 344 mg/kg GLP: no	Species: Rabbit Exposure time: 4 h	Test Type: Buehler Test Species: Guinea pig
Acute dermal toxicity	LD50 (Rabbit, male and female): 3,412 mg/kg Method: OPPTS 870.1200 GLP: no	Method: DOT Result: Corrosive GLP: no	Assessment: Did not cause sensitization on laboratory animals. Method: OECD Test Guideline 406 Result: not sensitizing GLP: yes

Germ cell mutagenicity					
Genotoxicity in vitro	<p>Test Type: Ames test Species: Salmonella typhimurium Metabolic activation: yes Method: OECD Test Guideline 471 Result: not mutagenic GLP: yes</p>	<p>Test Type: Chromosome aberration test in vitro Species: Human lymphocytes Metabolic activation: yes Method: OECD Test Guideline 473 Result: non clastogenic GLP: yes</p>	<p>Test Type: gene mutation test Species: Chinese hamster ovary cells Metabolic activation: yes Method: OECD Test Guideline 476 Result: not mutagenic GLP: yes</p>	<p>Test Type: unscheduled DNA synthesis assay Species: rat hepatocytes Method: OECD Test Guideline 482 Result: negative GLP: yes</p>	
Genotoxicity in vivo	<p>Test Type: In vivo micronucleus test Species: Mouse (male and female) Cell type: Bone marrow Application Route: oral (gavage) Method: OECD Test Guideline 474 Result: not mutagenic GLP: yes</p>				
Reproductive toxicity					
Effects on fertility	<p>Test Type: Two-generation study Species: Rat, female Application Route: Ingestion Dose: 0-300-1000-2000 ppm General Toxicity - Parent: NOAEL: 67 - 106 mg/kg body weight General Toxicity F1: 54 - 86 mg/kg body weight General Toxicity F2: NOAEL: 54 - 86 mg/kg body weight Fertility: NOAEL: 112 - 161 mg/kg body weight Method: OECD Test Guideline 416 Result: Animal testing did not show any effects on fertility. GLP: yes</p>		<p>Test Type: Two-generation study Species: Rat, male Application Route: Ingestion Dose: 0-300-1000-2000 ppm General Toxicity - Parent: NOAEL: 51 - 102 mg/kg body weight General Toxicity F1: NOAEL: 41 - 83 mg/kg body weight General Toxicity F2: NOAEL: 41 - 83 mg/kg body weight Fertility: NOAEL: 139 - 198 mg/kg body weight Method: OECD Test Guideline 416 Result: Animal testing did not show any effects on fertility. GLP: yes</p>		
Effects on fetal development	<p>Species: Rat Strain: Sprague-Dawley Application Route: Oral Dose: 0-10-30-100 milligram per kilogram General Toxicity Maternal: NOEL: 8.1 mg/kg bw/day Developmental Toxicity: NOAEL: 81 mg/kg body weight Method: OECD Test Guideline 414 Result: No effects on fertility and early embryonic development were detected. GLP: yes</p>				
Repeated dose toxicity					
	<p>Species: Dog, female NOAEL: 45 mg/kg Application Route: Dietary Exposure time: 90 d Number of exposures: daily Dose: 0-500-1500-3000 ppm</p>	<p>Species: Dog, male NOAEL: 50 mg/kg Application Route: Dietary Exposure time: 90 d Number of exposures: daily Dose: 0-500-1500-3000 ppm</p>	<p>Species: Rat, male NOAEL: 31 mg/kg Application Route: Dietary Exposure time: 90 d Number of exposures: daily Dose: 0-6-31-62 mg/kg Method: OECD Test Guideline 408 GLP: yes</p>	<p>Species: Rat, female NOAEL: 38 mg/kg Application Route: Dietary Exposure time: 90 d Number of exposures: daily Dose: 0-8-38-77 mg/kg Method: OECD Test Guideline 408 GLP: yes</p>	

The following toxicological data refer to: Propan-2-ol (CAS-No.: 67-63-0)

Acute toxicity		Skin corrosion/irritation	Germ cell mutagenicity - Genotoxicity in vivo
Acute oral toxicity	LD50 (Rat): 5,840 mg/kg Method: OECD Test Guideline 401	Species: Rabbit Result: No skin irritation	Test Type: In vivo micronucleus test Species: Mouse (male and female) Method: OECD Test Guideline 474 Result: negative GLP: yes
Acute inhalation toxicity	LC50 (Rat): > 25,000 mg/m ³ Test atmosphere: vapor Method: OECD Test Guideline 403	Serious eye damage/eye irritation Species: Rabbit Result: Eye irritation Method: OECD Test Guideline 405	Carcinogenicity Species: Rat, (male and female) Application Route: Inhalation 5,000 ppm Method: OECD Test Guideline 451 GLP: yes
	LC50 (Rat): 37.5 mg/l Exposure time: 4 h Test atmosphere: vapor Method: OECD Test Guideline 403	Respiratory or skin sensitization Species: Guinea pig Method: OECD Test Guideline 406 Result: negative	
Acute dermal toxicity	LD50 (Rabbit): 13,900 mg/kg Method: OECD Test Guideline 402 LD50 (Rat): 16,4 ml/kg bw Method: OECD Test Guideline 402		
Reproductive toxicity	Species: Rat, male and female Application Route: Oral General Toxicity - Parent: NOAEL: 347 mg/kg body weight Fertility: NOAEL: 853 mg/kg body weight Method: OECD Test Guideline 415 GLP: yes Remarks: No significant adverse effects were reported	STOT - single exposure	Target Organs: Central nervous system Assessment: May cause drowsiness or dizziness.
	Test Type: Two-generation study Species: Rat, male and female Application Route: Oral General Toxicity - Parent: NOAEL: 500 mg/kg body weight Fertility: NOAEL: 1,000 mg/kg body weight Method: OECD Test Guideline 416 GLP: yes Remarks: No significant adverse effects were reported	STOT - repeated exposure Repeated dose toxicity	Remarks: no data available Species: Rat NOAEC: 12500 mg/m ³ Application Route: Inhalation Test atmosphere: vapor Exposure time: 90 d

Section 12 - Ecological Information

Ecotoxicity no data available
Persistence and degradability no data available
Bioaccumulative potential
Components:
Alkyl (C12-16) dimethylbenzyl ammonium chloride: Partition coefficient: n-octanol/water: log Pow: 2.75 (20 °C) Method: OECD Test Guideline 107 GLP: yes
Propan-2-ol: Partition coefficient: n-octanol/water: log Pow: 0.05 (25 °C)
Mobility in soil no data available
Other adverse effects Additional ecological information: There is no data available for this product.

Section 13 - Disposal Considerations

Disposal methods

Waste from residues Dispose of in accordance with local regulations.

Contaminated packaging Dispose of as unused product.

Section 14 - Transport Information

UN number	Basic Description (DOT)	Class	Packing Group	LTD QTY
	Disinfectant Liquid, Not Regulated			

UN number	Basic Description (IATA)	Class	Packing Group	LTD QTY
	Disinfectant Liquid, Not Regulated			

UN number	Basic Description (IMDG)	Class	Packing Group	LTD QTY
	Disinfectant Liquid, Not Regulated			

Section 15 - Regulatory Information

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

SARA TITLE III (EPCRA) NOTIFICATION: Propan-2-ol. Subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.

California Prop. 65 - This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Other Information

		HMIS: Health - 2 Flam. - 0 R - 0 PPE- X
Date Prepared:	9/28/2022	Prepared by: Regulatory Affairs Administrator

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with materials or in any process, unless specified in the text.

Legend for Abbreviations: NA - not applicable; NE - Not Established; TWA - Total Weight Average; STEL - Short-Term Exposure Limit; REL - Recommended Exposure Limit; ACGIH - US. ACGIH Threshold Limit Values; NIOSH/GUIDE - US. NIOSH: Pocket Guide to Chemical Hazards, as amended; ACGIH BEI - US. ACGIH. BEIs. Biological Exposure Indices, as amended; IARC - International Agency for Research on Cancer; NTP - National Toxicology Program;