

SAFETY DATA SHEET

WORKING COPY

Date issued : 02/20/2014

SDS number : 1D.09

Date revised : 01/08/2021

Revision number : 4

Pyne 395

1. Identification

Product code: 1D.09**Product identifier:** Pyne 395**Product description:** Disinfectant**Relevant identified uses:** Disinfectant**Manufacturer / Supplier**

Centraz Industries Inc.

4051 BINGHAM AVE

ST. LOUIS, MO 63116

Customer Service: 314-752-7627**EPA reg. No.:** 6836-169-9194**Emergency telephone number (24 hour)****CHEMTREC (US Transportation & Medical) :** (800) 424-9300

2. Hazard identification

Label elements

Corrosion

Signal word: DANGER**Hazard statement(s)**

H315: Causes skin irritation.

H318: Causes serious eye damage.

Potential health effects**Eye:** Causes eye irritation**Skin:** Causes skin irritation**Ingestion:** Harmful if swallowed.**Inhalation:** No information Available**Routes of entry:** Eyes, skin, inhalation, ingestion**Comments: Symptoms of Overexposure:** No information available.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
2-propanol	5	67-63-0
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	2	68424-85-1
Water	85	7732-18-5
Proprietary ingredients	4	

4. First-aid measures

Eye: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**Skin:** After contact with skin, wash immediately with plenty of soap and water. Get medical attention if irritation develops and persists.

Ingestion: Do not induce vomiting without medical advice. Immediately give large quantities of water to drink. Call a physician immediately. Never give anything by mouth to an unconscious person.

Inhalation: Remove person to fresh air. If signs/symptoms continue, get medical attention.

5. Fire-fighting measures

General hazard: Heating or fire can release toxic gas.

Suitable extinguishing media: Dry powder, foam, water spray

Fire fighting procedures: Use water spray to cool unopened containers.

Fire fighting equipment: Wear self-contained breathing apparatus and other protective clothing.

6. Accidental release measures

Environmental precautions

Water spill: Prevent product from entering drains.

General procedures: Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not flush into surface water or sanitary sewer system.

Special protective equipment: Use respirator when performing operations involving potential exposure to vapour of the product. Use personal protective equipment.

7. Handling and storage

Precautions for safe handling: Provide sufficient air exchange and/or exhaust in work rooms.

Conditions for safe storage: Keep container tightly closed and dry.

Storage temperature: >60 Degrees Centigrade

8. Exposure controls/personal protection

Exposure controls

Chemical name	Control parameters			
	Occupational exposure limit values			
	Type		ppm	mg/m ³
2-propanol	OSHA PEL	TWA	400	980
		ACGIH TLV	TWA	200
		STEL	400	960
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

Individual protection measures, such as personal protective equipment

Eye / face protection: Tightly fitting safety goggles.

Skin protection - hand protection: Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Respiratory protection: In case of vapour formation use a respirator with an approved filter.

Skin protection - other: Choose body protection according to the amount and concentration of the dangerous substance at the work place. No special protective equipment required.

Occupational hygiene practices: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Clear

Color: Brown

Odor: Pine

pH: Neutral

Melting point: No information Available

Freezing point: No information Available

Initial boiling point and boiling range: No information Available

Flash point: 43°C (109°F) Closed cup.

Evaporation rate (n-butyl acetate = 1): No information Available

Explosion limit / flammability limit notes: No information Available

Vapor pressure: No information Available

Relative vapor density: No information Available

Density: No information Available

Relative density: No information Available

Solubility: Soluble

Auto-ignition temperature: No information Available

Viscosity: No information Available

Molecular weight: No information Available

Pour point: No information Available

Percent volatiles: No information Available

VOC content: No information Available

10. Stability and reactivity

Reactivity: Stable under recommended storage conditions.

Dangerous polymerization: No information Available

Chemical stability: Stable Under Normal conditions.

Conditions to avoid: None known.

Possibility of hazardous reactions: None known.

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

Incompatible materials: None known.

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
2-propanol	5045 mg/kg		73 mg/kg
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	344 mg/kg	3340 mg/kg	

Notes: Quaternary ammonium compounds, benzyl-C12-16-alkyldiemthyl, chlorides (CAS No.: 68424-85-1):

	Result	Method	Exposure Time
Skin irritaion(Rabbit)	Corrosive	DOT	24 Hr
Eye irritation(Rabbit)	Corrosive	DOT	

Sensitisation:

	Classification	Result	Method
Buehler Test Guinea Pig	Did not cause sensitisation on laboratory animals	not sensitizing	OECD Test Guideline 406

Germ Cell Mutagenicity:

Genotoxicity in vitro:

Test Type: Ames Test

Species: Salmonella Typhimurium

Metabolic Activation: Yes

Method: OECD Test Guideline 471

GLP: Yes

Result: Not Metagenic

Test Type: Chromosome aberration test in vitro

Species: Human lymphocytes

Metabolic Activation: Yes

Method: OECD Test Guideline 473

GLP: Yes

Result: Non Clastogenic

Test Type: Gene mutation

Species: Chinese hamster ovary cells

Metabolic Activation: Yes

Method: OECD Test Guideline 476

GLP: Yes

Result: Not Metagenic

Test Type: UDS test in vitro

Species: Rat hepatocytes

Metabolic Activation: Yes

Method: OECD Test Guideline 482

GLP: Yes

Result: Negative

Genotoxicity in vivo:

Test Type: In vivo micronucleus

Species: Mouse (male and female)

Cell type: LONZA-N11 00522975

Application Route: Oral (gavage)

Method: OECD test Guideline 474

GLP: Yes

Remarks: Not classified

Reproductive toxicity

Effects on fertility

Test Type: Two-generation study

Species: Rat, Female

Application Route: Ingestion

Dose: 0-300-1000-2000 ppm

General Toxicity: Parent: NOAEL: 67-106mg/kg body weight

General Toxicity F1: 54-86 mg/kg body weight

General Toxicity F2: NOAEL: 54-86 mg/kg body weight

Fertility: NOAEL: 139-198 mg/kg body weight

Method: OECD Test Guideline 416

GLP: Yes

Result: Animal testing did not show any effects on fertility

Test Type: Two-generation study

Species: Rat, Male

Application Route: Ingestion

Dose: 0-300-1000-2000 ppm

General Toxicity: Parent: NOAEL: 51-102mg/kg body weight

General Toxicity F1: 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

GLP: Yes

Result: Animal testing did not show any effects on fertility

Effects on foetal development:

Species: Rat

Strain: Sprague-Dawley

Application Route: Oral (Gavage)

Dose: 0-10-30-100 milligram per kilogram

General Toxicity: NOEL: 8.1 mg/kg bw/day

Developmental Toxicity: NOAEL: 81 mg/kg body weight

Method: OECD Test Guideline 414

GLP: Yes

Result: No effects on fertility and early embryonic development were detected

Repeated dose toxicity:

Species: Dog, female

NOAEL: 45 mg/kg

Application Route: Dietary

Exposure time: 90 d

Number of exposures: daily

Dose: 0-500-1500-3000 ppm

Method: OECD Test Guideline 409

GLP: Yes

Species: Dog, Male

NOAEL: 50 mg/kg

Application Route: Dietary

Exposure time: 90 d

Number of exposures: daily

Dose: 0-500-1500-3000 ppm

Method: OECD Test Guideline 409

GLP: Yes

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 ppm

Method: OECD Test Guideline 408

GLP: Yes

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 ppm
 Method: OECD Test Guideline 408
 GLP: Yes

The Following Toxicological data Refer to:

Phosphoric acid (CAS-NO: 7664-38-2)

Acute Toxicity

Acute oral toxicity

LD50 (Rat): 2,600 mg/kg
 Assessment: The substance or mixture has no acute oral toxicity
 Remarks: Aqueous solution

Acute Dermal Toxicity

LD50(Rabbit): 2,740 mg/kg
 Skin corrosion/irritation result: Corrosive
 Serious eye damage/eye irritation: Rabbit: Result: Severe irritant

Germ cell mutagenicity:

Genotoxicity in vitro

Test type: Ames Test
 Species: Salmonella typhimurium
 Metabolic activation: Yes
 Result: Negative

Skin corrosion / irritation: Corrosive

Species: Rabbit
 Exposure time: 24 h
 Method: DOT

Serious eye damage / irritation: Corrosive

Species: Rabbit
 Method: DOT

Respiratory or skin sensitization: None Expected.

Germ cell mutagenicity: No

Carcinogenicity

Chemical name	IARC
2-propanol	3

IARC: Human carcinogen. Propan-2-ol. 67-63-0

Reproductive toxicity: Effects on fertility.

Aspiration hazard: May be harmful if swallowed and enters airways.

12. Ecological information

Comments: There is no data available for this product.

13. Disposal considerations

Disposal methods: Dispose of in accordance with federal, state, and local regulations.

Empty container: Contaminated Packaging: Dispose of as unused product. Do not burn, or use a cutting torch on the empty container.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Flammable liquids, n.o.s. (Isopropanol (Isopropyl alcohol))

Transport hazard class(es): 3

UN number: 1993

Packing group, if applicable: III

NAERG: 128

Special shipping notes: Can be shipped as Limited Quantity when packaged in 12/1Qt and 4/1 Gal cartons.

15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification



Flammable
Liquid

R10: Flammable.

SARA Section 311/312 Hazard Categories

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
2-propanol	5	67-63-0

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Reportable spill quantity: 2000 lbs

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
2-propanol	67-63-0
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1
Water	7732-18-5

Regulations

State regulations: Massachusetts, Pennsylvania & New Jersey Right to Know: Propan-2-ol 67-63-0

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

General comments: 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.

Signal Word: DANGER

Hazard statements: Harmful if swallowed. Corrosive. Causes irreversible eye damage.

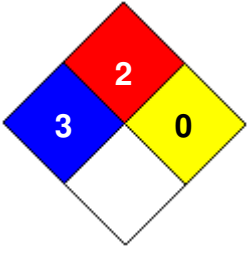
EPA No.: 6836-169

16. Other information

Date revised: 01/08/2021

Revision summary: This SDS replaces the 07/08/2020 SDS. Revised: **Section 14:** Special shipping notes.

NFPA codes



Manufacturer disclaimer: The information presented herein is believed to be accurate but is not warranted. Recipients are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.