SAFETY DATA SHEET

Issuing Date 06-May-2015 **Revision Date** 04-Jan-2022 **Revision Number** 12

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name **PanPads (4295-34, 4295-36, 4296-24, 4296-45)**

Other means of identification

Product Code PANPADS
CAS Number MIXTURE
Formula Not available
Synonyms Not available

Master Distributor
Aspen Pumps Asia Pacific Pty Ltd
8 Waddikee Road, Lonsdale SA 5160
+61 8 8186 4666
Chemtrec Int'l 1-703-741-5500

Recommended use of the chemical and restrictions on use

Recommended Use To control the growth of slime forming bacteria which is the major cause of drain blockages.
Uses advised against Do not use where contact with food or drinking water is possible. Avoid prolonged contact with eyes, skin, and clothing.

Details of the supplier of the safety data sheet

Supplier Address Nu-Calgon Wholesaler Inc., 2611 Schuetz Road, St. Louis, MO 63043

Emergency Telephone Number(s)

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

Label elements

Emergency Overview

Signal Word
DANGER

Hazard statements
Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes severe skin burns and eye damage

Appearance	Physical State	Odor
	Solid	Soapy

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response
Specific treatment (see supplemental first aid instructions on this label)
Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present .
Immediately call a POISON CENTER or doctor/physician
Call a POISON CENTER or doctor/physician if you feel unwell
Wash contaminated clothing before reuse
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Not available

Formula Not available

Chemical name	CAS No.	Weight-%	North American Hazard Indicator
Ethanol	64-17-5	5	1 1000 ppm TWA; 1900 mg/m^3 TWA 1000 ppm STEL
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl	68391-01-5	20	True

Benzyl Ammonium Chloride			
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	20	True
Other Ingredients	N/A	55	False

4. FIRST AID MEASURES

First Aid Measures

General Advice Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or poison control center immediately.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Call a physician or poison control center immediately.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Self-Protection of the First Aider Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

Most important symptoms and effects, both acute and delayed

Signs and Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Water spray. Carbon dioxide (CO2). Dry chemical. Alcohol-resistant foam.

Unsuitable Extinguishing Media No information available.

Hazardous Combustion Products Thermal decomposition or combustion may produce hazardous gases and/or materials.

Explosion Data Not available

Sensitivity to mechanical impact Not available.
Sensitivity to static discharge Not available.

Specific Hazards Arising from the Chemical
Keep product and empty container away from heat and sources of ignition.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental Precautions Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Should not be released into the environment. Refer to approved EPA Label. Approved only for use in drain pans of air conditioning systems and refrigeration systems.

Methods and material for containment and cleaning up

Methods for Clean-up Evacuate personnel to safe areas. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Ensure adequate ventilation. Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Do not breathe vapours/dust. Avoid contact with eyes, skin and clothing. Avoid repeated exposure.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures between 10 and 48.88°C. Keep in properly labeled containers. Keep out of the reach of children.

Incompatible Materials Strong Oxidizing Agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	1000 ppm STEL	TWA: 1000 ppm TWA: 1900 mg/m^3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m^3	3300 ppm IDLH (10% LEL)
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride 68391-01-5	-	-	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride 68956-79-6	-	-	-
Other Ingredients N/A	-	-	-

Appropriate engineering controls

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tight sealing safety goggles. Face shield.

Skin and body protection Wear protective gloves and protective clothing. Chemical resistant apron.

Respiratory Protection In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	
Physical State	Solid
Odor	Soapy
Odor Threshold	No information available

Property	**Values**	**Remarks • Method**
pH	No Data Available	
Melting point / Freezing point	170 - 180 °F	Literary Reference
Boiling point / boiling range	No information available	
Flash Point	No Data Available	No information available
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air	No information available	
Upper flammability limit	No information available	
Lower flammability limit	Not available	
Vapor Pressure	No information available	
Vapor Density	Not available	
Specific Gravity	0.965 - 0.985	
Water Solubility	73 - 85%	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	Not available	
Autoignition temperature °C	No Data Available	Estimated
Decomposition temperature	No Data Available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	Not available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

Other Information

Softening Point	No information available
Molecular Weight	No information available
VOC content	This product contains VOCs
Liquid Density	No information available
Bulk density	No information available
Corrosion characteristics	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not applicable.
Chemical Stability	Stable under recommended storage conditions
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong Oxidizing Agents.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO2). Nitrogen oxides (NOx). Hydrogen chloride gas.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	7060 mg/kg (Rat)	-	124.7 mg/L (Rat) 4 h
Alkyl(60%C14,30%C16,5%C12, 5%C18)Dimethyl Benzyl Ammonium Chloride	= 240 mg/kg (Rat)	-	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride	-	-	-
Other Ingredients	-	-	-

The following values are calculated based on chapter 3.1 of the GHS document

Information on likely routes of exposure

Eyes Severe eye irritation. Causes serious eye damage and possible burns to eyes. Avoid contact with eyes.

Skin Harmful in contact with skin. Causes burns. Avoid contact with skin.

Inhalation Harmful by inhalation. Avoid breathing dust.

Ingestion Harmful if swallowed. Do not take internally.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 1	Known Human Carcinogen	Present
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride 68391-01-5	-	-	-	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride 68956-79-6	-	-	-	-
Other Ingredients N/A	-	-	-	-

Serious eye damage/irritation No information available.

Corrosivity Causes severe skin burns and eye damage.

Skin Corrosion/Irritation No information available.

Sensitization No information available.

Reproductive Effects No information available.

Mutagenic Effects No information available.

Developmental Effects California Proposition 65 - Developmental Toxicity. [Ethyl alcohol in alcoholic beverages].

Teratogenic Effects May cause harm to the unborn child. [Ethanol, Cas# 64-17-5 by the state of Massachusetts]. [Ethyl alcohol in alcoholic beverages].

STOT - single exposure No information available.

STOT - Repeated Exposure No information available.

Chronic Toxicity Avoid repeated exposure. Possibly Carcinogenic. [Ethanol]. California Proposition 65 Developmental Toxicity. May cause harm to the unborn child. [Ethyl alcohol in alcoholic beverages].

Aspiration Hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethanol 64-17-5	-	11,000 mg/L LC50 96h	-	-
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride 68391-01-5	-	0.223 - 0.46: 96 h Lepomis macrochirus mg/L LC50 static 0.823 - 1.61: 96 h Oncorhynchus mykiss mg/L LC50 static 1.3: 96 h Poecilia reticulata mg/L LC50 semi-static 2.4: 96 h Oryzias latipes mg/L LC50 semi-static	-	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride 68956-79-6	-	-	-	-
Other Ingredients N/A	-	-	-	-

Persistence/Degradability No information available.

Bioaccumulation/Accumulation No information available.

Mobility in Soil No information available.

Chemical name	log Pow =
Ethanol 64-17-5	-0.32
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride 68391-01-5	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride 68956-79-6	-
Other Ingredients N/A	-

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Methods Contact waste disposal services. Dispose of in accordance with local regulations.

Contaminated Packaging Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Does not comply
Canada (DSL)	Does not comply
EU (EINECS)	Does not comply
EU (ELINCS)	Does not comply
Japan (ENCS)	Does not comply
China (IECSC)	Does not comply
Korea (KECL)	Does not comply
Philippines (PICCS)	Does not comply
Australia (AICS)	Does not comply
Mexico INV	Does not comply
Taiwan INV	Does not comply

Chemical name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)
Ethanol	Present	Present	X	-
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride	Present	Present	X	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride	Present	Present	X	-
Other Ingredients	-	-	-	-

Component	Japan (ENCS)	China (IECSC)	Korea (KECL)	Philippines (PICCS)	Australia (AICS)
-	Present (2)-202	Present	Present	Present	Present

-	Present (3)-2694	Present	Present	Present	Present
-	-	Present	Present	Present	Present
-	-	-	-	-	-

Chemical name	Mexico INV	Taiwan INV
Ethanol 64-17-5	Present	Present
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride 68391-01-5	Present	Present
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride 68956-79-6	-	Present
Other Ingredients N/A	-	-

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

VOC content

This product contains VOCs

Chemical name	CAS No.	VOCs
Ethanol	64-17-5	Present

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ethanol 64-17-5	-	-	-	-
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride 68391-01-5	-	-	-	-
Alkyl(68%C12,	-	-	-	-

32%C14)Dimethyl Ethylbenzyl Ammonium Chloride 68956-79-6				
Other Ingredients N/A	-	-	-	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical name	CERCLA/SARA Hazardous Substances	CERCLA/SARA RQ	RQ
Ethanol 64-17-5	-	-	-
Alkyl(60%C14,30%C16,5%C12, 5%C18)Dimethyl Benzyl Ammonium Chloride 68391-01-5	-	-	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride 68956-79-6	-	-	-
Other Ingredients N/A	-	-	-

State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

State Right-to-Know

This product contains the following State Right-to-Know chemicals:

Chemical name	New Jersey	Massachusetts	Illinois	Rhode Island	Pennsylvania
Ethanol 64-17-5	sn 0844	Teratogen	Present	Toxic; Flammable	Present
Alkyl(60%C14,30%C16,5 %C12,5%C18)Dimethyl Benzyl Ammonium Chloride 68391-01-5	-	-	-	-	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride 68956-79-6	-	-	-	-	-
Other Ingredients N/A	-	-	-	-	-

U.S. EPA Label Information

EPA Pesticide Registration Number 33427-4-65516

Canada

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

NFPA

Health 2 **Flammability** 0 **Instability** 0 **Physical Hazard** 0

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Not available

Disclaimer

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 a 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 any other materials or in any process, unless specified in the text.

End of Safety Data Sheet