



Superior Solutions

PRODUCT SPECIFICATION REPORT

NATURAL is a concentrated, liquid, heavy-duty cleaner, disinfectant, sanitizer, and deodorizer. Contains a blend of synthetic detergents, emulsifiers, water softening agents, alkaline builders and corrosion inhibitors, and two quaternary ammonium germicides.

NATURAL

Detergent/Disinfectant

PROD. #0677

FEATURES	BENEFITS
Multi-Purpose	Cleans, disinfects, sanitizes, and deodorizes in a single operation.
Heavy Duty	Designed for use where heavy-duty cleaning is of prime importance. Cleans a variety of surfaces rapidly and effectively.
Disinfects	Kills a variety of pathogenic fungi and other micro-organisms when used as directed.
Sanitizes	Excellent for cleaning and sanitizing food contact surfaces.
Odourless	Essentially odourless in use dilution. Leaves no lingering fragrance on food processing or other surfaces.
Deodorizes	Attacks and destroys odours at their source. Washes away the soils and kills the bacteria that cause odours.

APPLICATIONS & DILUTIONS

Use to clean, disinfectant, sanitize, deodorize all hard surfaces not affected by moderately alkaline cleaners.

To Clean and Sanitize:	12.5 mL per litre of water.
To Clean and Disinfect:	35.0 mL per litre of water.

See product label for detailed instructions.

COMPANION PRODUCTS

SPECIFICATIONS

Physical Form	Thin, water-based liquid
Colour	Clean, very light amber
Odour	Mild, fresh
pH (Concentrate)	12.0 - 13.0
Specific Gravity	1.075
Shelf Life	1 year minimum
Flash Point	None
WHMIS	Registered
TDG	Class 8

ZEP SALES & SERVICE

www.zep.com

1-877-1 BUY ZEP

Rev. Jan2011



Solutions Supérieures

FICHE TECHNIQUE

NATURAL Puissant nettoyant désinfectant, assainissant, désodorisant, liquide et concentré, composé d'un mélange de détergents synthétiques, d'émulsifiant, d'agents adoucisseurs d'eau, d'adjuvants alcalins, d'inhibiteurs de corrosion et de deux germicides d'ammonium quaternaire.

NATURAL

Détergent désinfectant

N° DE PRODUIT: **0677**

CARACTÉRISTIQUES

Polyvalent

Puissant

Désinfecte

Assainit

Inodore

Désodorise

AVANTAGES

Nettoie, désinfecte, assainit et désodorise en une seule opération.

Conçu pour les gros travaux de nettoyage. Nettoie une variété de surfaces avec rapidité et efficacité.

Il tue une variété de champignons pathogènes ou d'autres micro-organismes lorsqu'il est utilisé selon le mode d'emploi.

Excellent pour nettoyer et assainir les surfaces alimentaires.

Essentiellement inodore dans la solution diluée. Il ne laisse aucun parfum persistant sur les surfaces de transformation des aliments ou sur toute autre surface.

Il attaque et détruit les odeurs d'où elles proviennent. Il enraye les salissures et tue les bactéries qui causent les odeurs.

APPLICATIONS ET DILUTIONS

Utiliser pour nettoyer, désinfecter, assainir et désodoriser toutes les surfaces non touchées par des nettoyants alcalins modérés.

Pour nettoyer et assainir :

Verser 12,5 ml du produit dans 1 litre d'eau.

Pour nettoyer et désinfecter :

Verser 35,0 ml du produit dans 1 litre d'eau.

Lire l'étiquette du produit pour obtenir des instructions détaillées

PRODUITS CONNEXES

CARACTÉRISTIQUES PHYSIQUES

Présentation physique	Liquide mince à base d'eau
Couleur	Clair, ambre très pâle
Odeur	Atténuée et fraîche
pH (Concentré)	12,0 à 13,0
Densité	1,075
Durée de stockage	Minimum de 1 an
Point d'éclair	Aucun
SIMDUT	Enregistré
TMD	Classe 8

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Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name NATURAL
Product use Cleaner. Disinfectant. Deodorizer
Product code 0677
Date of issue 06/15/16 **Supersedes** 10/25/13

Emergency Telephone Numbers

For MSDS Information:
 Technical Services Group
 Telephone (780) 453-8100
 (Business Hours 8:00am - 5:00pm)

For Medical or Transportation Emergency
 CANUTEC (24 Hours)
 (613) 996-6666 - Call Collect

Prepared By
 Technical Services Group
 11627 178th Street
 Edmonton, Alberta T5S 1N6

Section 2. Hazards Identification

Emergency overview

DANGER !

CAUSES EYE BURNS. CAUSES SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.

Do not breathe vapor or mist. Do not ingest. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wash thoroughly after handling.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects **Routes of Entry** Dermal contact. Eye contact.

Eyes Corrosive to eyes. Causes burns. Direct contact with the eyes can cause irreversible damage, including blindness.

Skin Irritating to skin. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation Over-exposure by inhalation may cause respiratory irritation.

Ingestion Harmful if swallowed. May cause burns to mouth, throat and stomach.

Chronic effects Repeated eye exposure may produce chronic inflammation of the eye or corneal damage. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
SODIUM METASILICATE; silicic acid (H ₂ -Si-O ₃) disodium salt; water glass	6834-92-0	1 - 5
QUATERNARY AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol	85409-23-0; 68391-01-5	1 - 5
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	1 - 5
TETRAPOTASSIUM PYROPHOSPHATE; tkpp; diphosphoric acid, tetrapotassium salt	7320-34-5	1 - 5



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name **ZEP FS AMINE Z**
 Product use Sanitizer. Deodorizer
 Product code **Q094**
 Date of issue **10/09/15** **Supersedes 11/01/12**

Emergency Telephone Numbers

For MSDS Information:
 Technical Services Group
 Telephone (780) 453-8100
 (Business Hours 8:00am - 5:00pm)

For Medical or Transportation Emergency
 CANUTEC (24 Hours)
 (613) 996-6666 - Call Collect

Prepared By
 Technical Services Group
 11627 178th Street
 Edmonton, Alberta T5S 1N6

Section 2. Hazards Identification

Emergency overview

WARNING!

HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED.

Do not breathe vapor or mist. Do not ingest. Do not get in eyes or on skin or clothing.
 Wash thoroughly after handling.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects **Routes of Entry** Dermal contact. Eye contact.

- Eyes** May cause severe eye irritation. Direct contact with the eyes can cause irreversible damage, including blindness.
- Skin** Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering. Harmful if absorbed through the skin.
- Inhalation** Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.
- Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

Chronic effects Contains material which may cause damage to the following organs: kidneys, the nervous system, liver, upper respiratory tract.
 Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
QUATERNARY AMMONIUM CHLORIDES; Blend of alkyldimethylbenzyl ammonium chlorides, alkyl dimethyl ammonium chlorides, ethanol	68424-85-1; 68424-95-3; 64-17-5	7 - 13

Section 4. First Aid Measures

- Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.
- Ingestion** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 4. 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. Chemical burns must be treated promptly by a physician.
Skin Contact	Flush affected skin with plenty of 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. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms appear.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
Ingestion	Get medical attention immediately. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. 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. Chemical burns must be treated promptly by a physician.

Section 5. Fire Fighting Measures

Flash Point	Not available.
Flammable Limits	Not available.
Flammability	Non-combustible.
Auto-ignition Temperature	
Fire-Fighting Procedures	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Fire hazard	In a fire or if heated, a pressure increase will occur and the container may burst.
Products of Combustion	May emit toxic fumes under fire conditions. carbon oxides (CO, CO ₂)
Explosion hazard	Not available.

Section 6. Accidental Release Measures

Spill Clean up	Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Wash thoroughly after handling.
Storage	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Separate from acids. Keep away from oxidizing agents. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Product name	Exposure limits
No exposure limit value known.	

Personal Protective Equipment (PPE)

Eyes	Recommended: Splash goggles.	
Hands and Body	Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves.	
Respiratory	Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.	

Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Clear. Colorless.
pH	12.9	Odor	Odorless.
Boiling Point	101°C (213.8°F)	Vapor Pressure	Not determined.
Specific Gravity	1.08	Vapor Density	Not determined.
Solubility	Easily soluble in the following materials: cold water and hot water.	Evaporation Rate	1 (Water = 1)
Freezing Point		VOC (Consumer)	2 (g/l). 0.2%

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive or incompatible with the following materials: oxidizing materials. acids
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Carcinogenicity Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.


Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Not available.				

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

Waste Stream**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Classification	1903	Disinfectant, Liquid, Corrosive, n.o.s. (Quaternary Ammonium Chlorides)	8	II		Explosive Limit and Limited Quantity Index 1
IMDG Class	Not available.	Not available.	Not available.	-		-

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG* : Packing group

Section 15. Regulatory Information**Canada**

WHMIS (Canada) Not controlled under WHMIS (Canada). Regulated under other Act

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

Section 16. Other Information

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.