

# SAFETY DATA SHEET

Emission date: 2018-02-26



## Section 1. Identification

**Product name** : **AMFO** **Code** : **3050**

**Product description** : **Disinfectant no rinse sanitizer**

**Restrictions on use** : For professional use only.

**Supplier/Manufacturer** : **CHOISY LABORATORIES LTD** **Emergency phone** : **Quebec Poison Control Centre:**  
390, boul. St-Laurent Est (24 hour service) -Quebec: 800-463-5060 (no charge)  
Louiseville (Quebec) -All other places: 418-656-8090  
CANADA J5V 2L7 **CANUTEC**: 613-996-6666 (collect)  
info@choisy.com / www.choisy.com

## Section 2. Hazard identification

**Product classification** : This product is a registered disinfectant and is exempt from WHMIS. For more information, see the product label.

**Hazard pictograms** :

**Signal word** : Warning

**Hazard statements** : Causes serious eye irritation.  
Causes skin irritation.

**Precautionary statements**

**General** : Keep out of the reach of children.

**Prevention** : Wear suitable gloves and eye/face protection. Wash hands thoroughly after handling.

**Response** : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Other hazards** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

Hazardous ingredients	CAS number	Concentration %
- 1-Alkylamino-3-carboxymethylaminopropane	84777-38-8	5 - 10
- N-(Coco alkyl)-1,3-propanediamine	61791-63-7	1 - 5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## Section 4. First aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Get medical attention.

**Skin contact** : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation** : Maintain an open airway. Get medical attention if symptoms occur.

**Ingestion** : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe.

**Notes to medical doctor** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See Section 11 for more detailed information on health effects and possible symptoms.

**Section 5. Fire-fighting measures**

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Specific hazards arising from the chemical**

In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides

**Advice for firefighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Section 6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Put on appropriate personal protective equipment.

**Methods and materials for containment and cleaning up**

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Dispose of via a licensed waste disposal contractor.

**Section 7. Handling and storage****Precautions for safe handling**

Put on appropriate personal protective equipment. Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Manipulate with care, avoid splashes.

**Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. 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. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

**Section 8. Exposure controls/personal protection****Control parameters****Occupational exposure limits**

<b>Hazardous ingredients</b>	<b>CAS number</b>	<b>Exposure limit values</b>
No exposure limit value known.		

**Appropriate engineering controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

**Eye/face** : Safety glasses recommended.  
**Hands** : No protective gloves required under normal handling conditions.  
**Respiratory** : No respiratory protection required under normal handling conditions.  
**Other** : Not applicable.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

**Handling of diluted product:** Information contains therein are issued for the concentrated product as sold. At recommended use dilution, risks regarding this product are greatly reduced. Preventive measures can then be tailored to the employer judgment based on experience and/or level of exposure of workers.

**Section 9. Physical and chemical properties**

<b>pH</b>	: 7.5 to 8	<b>Physical state</b>	: Liquid. [Transparent liquid.]
<b>Specific gravity</b>	: 0.998 to 1.002	<b>Color</b>	: Blue.
<b>Odor threshold</b>	: Not available.	<b>Odor</b>	: Characteristic.
<b>Boiling point</b>	: 100°C		
<b>Melting/freezing point</b>	: <0°C		
<b>Vapor pressure</b>	: Not available.		
<b>Vapor density</b>	: Not available.		



<b>Volatility</b>	: Not available.
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.
<b>Flash point</b>	: Closed cup: >93.3°C [Pensky-Martens, closed cup.] [Product does not sustain combustion.]
<b>Viscosity</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Flammable limits</b>	: Not available.
<b>Partition coefficient: n-octanol/water</b>	: The product is much more soluble in water.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Incompatible materials</b>	: No specific data.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Likely routes of exposure** : Dermal contact. Eye contact. Ingestion.

### Potential acute health effects

<b>Eye contact</b>	: Causes serious eye irritation.
<b>Skin contact</b>	: Causes skin irritation.
<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.

### Potentials symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	: Pain or irritation, watering, redness
<b>Skin contact</b>	: irritation, redness
<b>Inhalation</b>	: No specific data.
<b>Ingestion</b>	: No specific data.

### Potential chronic health effects

<b>Carcinogenic Effects</b>	: No known significant effects or critical hazards.
<b>Mutagenic Effects</b>	: No known significant effects or critical hazards.
<b>Teratogenic Effects</b>	: No known significant effects or critical hazards.
<b>Reproductive effects</b>	: No known significant effects or critical hazards.
<b>Sensitizer</b>	: No known significant effects or critical hazards.

### Numerical measures of toxicity

<u>Product/ingredient name</u>	<u>Species</u>	<u>Result</u>	<u>Dose</u>
- 1-Alkylamino-3-carboxymethylaminopropane	Rat	LD50 Dermal	2001 mg/kg
	Rat	LD50 Oral	6480 mg/kg
- N-(Coco alkyl)-1,3-propanediamine	Rabbit	LD50 Dermal	>2000 mg/kg
	Rat	LD50 Oral	272 mg/kg

## Section 12. Ecological information

**Ecotoxicity** : No known significant effects or critical hazards.  
Phosphate-free product.

### **Persistence and degradability**

Not available.

**Section 13. Disposal considerations****Waste handling and disposal**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Section 14. Transport information**

Reg. info.	UN #	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Class</b>	Not regulated.	-	-	-		<b>Remarks</b> Not regulated product (TDG)

PG\* : Packing group

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Section 15. Regulatory information**

Classification of this product and the SDS have been made in accordance with Hazardous Products Regulations (HPR) in force in Canada. This product is a mixture for which no specific health effects data exist. The risks have therefore been evaluated based on the physicochemical properties of the product and its composition and may be overestimated.

**Food contact** : Food Industry Compliant.

**DSL; Canadian Domestic Substance List** : All components are listed or exempted.

**Section 16. Other information**

**Date of issue** : 2018-02-26

**Version** : 1.01

**Notice to reader**

The information provided in this Safety Data Sheet has been compiled from our experience and data presented in various technical publications. The information contained herein is based on the state of our current knowledge of the product concerned. It is the user's responsibility to verify the value of this information for the adoption of required safety measures. We reserve the right to revise Safety Data Sheets from time to time as new technical information becomes available. The user has the responsibility to contact the company to make sure that the Safety Data Sheet he owns is the last published.

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