


Safety Data Sheet

Section 1. Identification	
Product Identifier	Muscles Version: 7 Effective Date: 10 July, 2017
Other Means Of Identification	None
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055
Recommended Use and Restrictions On Use	Vehicle wash. No restrictions.
Product Family	Blend
24 Hour Emergency	Canutec (613) 996-6666

Section 2. Hazard Identification	
Hazard Classification	
Physical Hazards	None
Health Hazards	Skin Corrosion / Irritation – Category 2 Eye Damage / Irritation - Category 2B
Signal Word	Warning
Hazard Statement	Causes skin irritation. Causes eye irritation.
Precautionary Prevention Statement	Wash hands thoroughly after handling. Wear protective gloves.
Precautionary Response Statement	IF ON SKIN: Wash with plenty water. Specific Treatment: do not induce vomiting unless directed by medical personnel. If skin irritation occurs: Get medical attention. Remove contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

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Precautionary Storage Statement	None
Precautionary Disposal Statement	None
Other Hazards	None

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Sodium nitrilo triacetate monohydrate	Sodium NTA	18662-53-8	1 - 5
Sodium lauryl sulphate	None	151-21-3	5 - 10
Balance of ingredients are considered non hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention
Ingestion	Give two glasses of water. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	May cause skin and eye irritation.
Immediate Medical Attention and Special Treatment	Wash affected areas with plenty of water.

Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Use extinguishing media suitable for the surrounding fire.
Hazardous Combustion Products	Oxides of carbon, sulphur, and nitrogen may be produced if material is involved in a fire
Specific Hazards Arising From the Product	None known.



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Special Protective Equipment and Precautions For Fire-Fighters	Fire-fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.
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Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Gloves (nitrile), safety glasses and coveralls. Evacuate all unnecessary personnel. Surface may be slippery.
Environmental Precautions	Large quantities of the concentrated material should not be allowed to enter surface water systems and sewers.
Methods and Materials for Containment and Clean Up	Soak up or pump excess material, place in a suitable containers for disposal. Wash residues away with water.

Section 7. Handling and Storage

Precautions For Safe Handling	Keep containers closed when not in use
Conditions For Safe Storage	Store in a cool, well ventilated area.

Section 8. Exposure Controls / Personal Protection

Control Parameters	TWA: 8 Hr STEL: 15 min Ceiling IDLH * Not available * Immediately Dangerous to Life and Health
Exposure Controls	Local exhaust ventilation
Appropriate Engineering Controls	Ensure eye wash station and safety shower are available.
Individual Protective Measures	Safety glasses, gloves (nitrile), and coveralls should be worn when using this product.
Eye / Face Protection	Safety glasses.
Skin Protection	Nitrile gloves.
Respiratory Protection	Not required.

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Section 9. Physical and Chemical Properties	
Appearance	Pink viscous liquid
Odour	Bubble gum odour
Odour Threshold	Not data
pH	7-8
Flash Point	> 100 °C
Boiling Point and Boiling Range	No data
Melting Point and Freezing Point	0 °C
Evaporation Rate	No data
Flammability (solid, gas)	N/A
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	No data
Vapour Density	No data
Relative Density	1.024
Solubility	Soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data
Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	Stable
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	None known
Incompatible Materials	Contact with strong acids, strong oxidizing agents, alkalis, and reducing agents.
Hazardous Decomposition Products	Will not decompose under normal conditions of use

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium nitrilotriacetate	1100mg/kg (Rat)	>10,000mg/kg (Rabbit)	



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Sodium lauryl sulphate	800-2700mg/kg (Rat)	>10,000mg/kg (Rabbit)
Likes Routes of Exposure		
Skin:	May cause drying and redness with repeated and extended exposure.	
Eyes:	May cause irritation of the eyes.	
Inhalation:	Not expected to cause any problems under normal conditions of use	
Ingestion:	May cause digestive tract disturbances.	
Acute Toxicity Estimates (ATE)	No data	
STOT (Specific Target Organ Toxicity) – Single Exposure	No data	
Aspiration Toxicity	No data	
STOT (Specific Target Organ Toxicity) – Repeated Exposure	No data	
Skin Corrosion / Irritation	No data	
Serious Eye Damage / Irritation	No data	
Respiratory or Skin Sensitization	No data	
Carcinogenicity	Sodium nitrilotriacetate monohydrate is a suspected carcinogen – Category 2.	
Reproductive Toxicity		
- Sexual Function and Fertility	No data	
- Development of Offspring	No data	
- Effects on or via Lactation	No data	
Germ Cell Mutagenicity	No data	
Interactive Effects	No data	
Other Information	N/A	

Section 12. Ecological Information

Ecotoxicity	Sodium nitrilotriacetate mono hydrate: LC50: Rainbow trout 98 mg/l, LC50: Bluegill sunfish 312 mg/l EC50: 48h, Water Flea 780 mg/l EC50: 96h, Chlorella vulgaris 780 mg/l, EC50: 96 h, Navicula 331 mg/l
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	Sodium lauryl sulphate: Aquatic LC50: > 1.4 – 25 mg/l
Persistence and Degradability	Readily degradable
Bioacumulative Potential	Not available
Biodegradability	All components and final product are considered readily biodegradable
Mobility in Soil	Not available
Other Adverse Effects	N/A

Section 13. Disposal Considerations

Disposal Considerations	Dispose of contents / container in accordance with local regulations.
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Section 14. Transport Information

UN Number	None
UN Proper Shipping Name	None
Transport Hazard Class(es)	None
Packaging Group	None
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	None

Section 15. Regulatory Information

Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL), Non-Domestic Substances List (NDSL), or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
Additional Information	None

Section 16. Other Information

NFPA Rating	Health-1/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-1/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	23 February, 2012

Revision Date: 10 July, 2017

Disclaimer

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