

SAFETY DATA SHEET**Fisherbrand[®] Versa-Clean[™]****Creation Date** 6-July-2015**Revision Date** 02-Sept-2015**Revision Number** 2**1. Identification****Product Name:** Fisherbrand[®] Versa-Clean[™]**Catalog Numbers:** 18200700, 18200701, S22700, S22701**Synonyms:** None.**Manufactured by:** Unica Canada Inc.

90 J.A. Bombardier

Boucherville, Qc J4B 8N4

1-450-655-8168

Distributed by: Thermo-Fisher Scientific

300 Industry Drive

Pittsburgh, PA 15275

1-800-766-7000

Emergency Number:

CHEMTREC, Inside the USA: 800-424-9300

CHEMTREC, Outside the USA: 001-703-527-3887

Use of Product: Multi-purpose concentrated cleaning compound**2. Hazard(s) identification****Classification**

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation, Category 2**Serious eye irritation, Category 2A****Label Elements****Signal Word:** "WARNING"**Hazard Statements:** Causes skin irritation Causes serious eye irritation

Precautionary Statements: Wear protective clothing/eye protection

Wash face, hands and any exposed skin thoroughly after handling

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 advice/attention

IF ON SKIN: Wash with plenty of water. If skin irritation persists: Get medical advice/attention

IF SWALLOWED: Do NOT induce vomiting, get medical advice/attention

Disposal

Dispose of contents/container to an approved waste disposal plant

3. Composition / information on ingredients

CAS#	Chemical Name	Percent	EINECS#
68551-12-2	Linear Alcohol Ethoxylate	8	500-221-7
7732-18-5	Water	85 - 90	231-791-2

4. First-aid measures

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical advice/attention

Skin Contact

Wash with plenty of water for at least 15 minutes. If skin irritation persists: Get medical advice/attention

Ingestion

Do not induce vomiting. Obtain medical attention.

Most important symptoms/effects

Irritating to eyes.

Notes to Physician

Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

Unsuitable Extinguishing Media

No information available

Flash Point	Not applicable
Method -	No information available
Autoignition Temperature	Not applicable
Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

Specific Hazards Arising from the Chemical

Non-combustible. None reasonably foreseeable.

Hazardous Combustion Products

No information available

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.

NFPA

Health	Flammability	Instability	Physical hazards
1	0	0	N/A

6. Accidental release measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Clean up spills immediately, observing precautions in the Protective Equipment Section.

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

7. Handling and storage

Handling	Avoid contact with skin and eyes. Wear personal protective equipment
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.
Shelf Life:	Versa-Clean has a 3 year from date of manufacture shelf life (stated on the lot specific Certificate of Analysis), as long as the container is closed in between use.

Incidental opening and closing of the bottle for use, and the resulting increased air space in the container will not affect the shelf life. Avoid continual exchange of air in a completely open bottle as evaporation will occur, thus affecting product concentration and effectiveness.

Shelf life is conservatively stated, as noticeable degradation in a closed container takes much longer. Although slight degradation will show up in a side -by-side comparative testing, the product will continue to work for a long time, even after the expiration date.

8. Exposure controls / personal protection

Engineering Controls: None

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA – Final PELs
Linear Alcohol Ethoxylate	None listed	None listed	None listed

Personal Protective Equipment

Eyeface Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State:	Liquid
Appearance:	Clear Orange
Odor:	Odorless
Odor Threshold:	Not determined
pH:	9.75 – 10.00 @ 20°C

Melting Point/Range	No data available
Boiling Point/Range	No information available
Flash Point	Not applicable
Evaporation Rate:	Not available
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure (mm Hg):	<17.5 @ 20°C (68°F)
Vapor Density (air=1):	<1
Specific Gravity:	1.02 @ 20°C (68°F)
Solubility:	Soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	Not applicable
Decomposition Temperature	No information available
Viscosity	No information available
VOC Content:	None

10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions
Conditions to Avoid	Incompatible products
Incompatible Materials	Acids, Strong oxidizing agents
Hazardous Decomposition Products	No information available
Hazardous Polymerization	Does not occur
Hazardous Reactions	None under normal processing

11. Toxicological information

Acute Toxicity

Product information

Oral LD50:	> 2000 mg/kg
Dermal LD50:	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.
Mist LC50:	Based on ATE data, the classification criteria are not met. ATE > 5 mg/l.
Vapor LC50:	Based on ATE data, the classification criteria are not met. ATE > 20 mg/l.

Component information

<u>Component</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Linear alcohol ethoxylate	>2000 mg/kg (Rat)	Not Listed	Not Listed
CAS # 68551-12-2			

Toxicologically Synergistic

Products No information available

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

Irritation No information available

Sensitization No information available

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

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Linear alcohol ethoxylate	68551-12-2	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Mutagenic Effects No information available

Reproductive Effects No information available

Developmental Effects No information available

Teratogenicity No information available

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, acute

and delayed No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

This product does not contain substances which are hazardous for the environment.

Persistence and Degradability Readily Biodegradable OECD 301D

Bioaccumulation/ Accumulation No information available

Mobility No information available

13. Disposal considerations

Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transportation information

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Water	X	X	-	231-791-2	-		X	-	X	X	X
Linear alcohol ethoxylate	X	X	-	-	-	>1<2.5 mol ethoxylated units	X	X	X	X	X

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313 Not applicable

SARA 311/312 Hazardous Categorization

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

Clean Water Act Not applicable

Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration

Not applicable

CERCLA

Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals

State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Water	-	-	X	-	-

U.S. Department of Transportation

Reportable Quantity (RQ): No

DOT Marine Pollutant No

DOT Severe Marine Pollutant No

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada

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

WHMIS Hazard Class D2B Toxic materials

16. Other information

Key to Abbreviations:

NDA - No data available N/D - Not determined N/A - Not applicable N/E - Not established

ATE – Acute Toxicity Estimates

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Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer

The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of SDS