SAFETY DATA SHEET according to the Hazardous Products Regulations

Extreme AP+C itrus ADCCP-XAP+170-**

SECTION 1 - IDENTIFICATION

Product Identifier:	**ExtremeAP+C itrus**
Product code PreFix:	**ADCCP-XAP+170-****
Other means of identification	No data available

Manufacturer or supplier's details

Company name of supplier:	Addiction Detail Chemical Co.
Address	345 High St Southampton, Ontario N0H 2L0
Emergency Phone:	(613) 996-6666 (CANUTEC)
Transport related emergencies:	CANUTEC (24/7): 1-613-996-6666 or * 666 (cell)
E-mail address	sdsmanager@addictiondetailchemical.co

Recommended use of the chemical and restrictions on use

Recommended Uses:	Bio-Based Natural Degreaser
Restrictions on use:	Not applicable

SECTION 2 – HAZARD IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Product Classifications:

Serious Eye Damage/Eye Irritation	Category 2

GHS label elements

Hazard pictograms / Symbols: GHS07

Signal Word: Warning

Hazard Statements: H315 Causes serious eye irritation.

Precautionary Statements:

Prevention:

P273	Avoid release to the environment
P280	Wear protective gloves, eye protection and face protection.

Response:

P302 + P352	IF ON SKIN: Wash with plenty of water
P305 + P351 + P338 + P310	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. Immediately call a POISON CENTER.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

Components:

Chemical Name	Common Name/Synonym	CAS Number	Concentration (% w/w)
Fatty acids, C16-18 and C18- unsaturated, methyl esters	No data available	67762-38-3	60 – 100*
Linear alcohol ethoxylate		68439-46-3	7 – 13*

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice

In the case of accident or if you feel unwell, seek medical advice immediately.

When symptoms persist or in all cases of doubt seek medical advice.

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.

IF ON SKIN:

May cause drying and cracking of skin. Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical attention.

IF SWALLOWED

Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.

IF INHALED

Remove person to fresh air. Get medical attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Causes serious eye damage

Protection of first-aiders

First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

Notes to physician

Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	As for surrounding fire. Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	None known.
Specific hazards during fire fighting	Non-combustible. During fire, gases hazardous to health may be formed.
Hazardous combustion products	Oxides of carbon Oxides of sulphur Oxides of nitrogen.
Specific extinguishing methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8). Material may create slippery conditions. Only trained and properly protected personnel must be involved in clean-up operations.
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Following product recovery, flush area with water. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	Use only with adequate ventilation.
Advice on safe handling	Avoid inhalation of vapor or mist. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	Keep in properly labeled containers. Keep tightly closed
Materials to avoid	Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidizing agents Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS Number	Value type	Permissible Concentration	Basis
Fatty acids, C16-18 and C18-unsaturated, methyl esters	67762-38-3	TLV	Not established	
Linear alcohol ethoxylate	68439-46-3	TLV	Not established	ACGIH

Engineering measures

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Personal protective equipment

If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Respiratory protection

Particulates type

Filter type

Hand protection

Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Eye protection

Wear the following personal protective equipment: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield

Skin and body protection

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures

If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, orange liquid
Odour	citrus
Odour Threshold:	Not available
pH:	Not available
Freezing Point:	Not available
Boiling Point:	Not available
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability:	Not available
Lower Flammability Limit:	Not available
Upper Flammability Limit:	Not available
Vapour Pressure:	Not available
Vapour Density:	Not available
Relative Density:	0.90
Solubility:	Insoluble in water
Partition Coefficient:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity	Not available
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Particle characteristics / Size	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Not dangerously reactive.
Chemical stability:	Chemically stable
Hazardous reactions:	No hazardous reaction or polymerization expected to occur.
Conditions to avoid:	None known.
Incompatible materials:	None known.
Hazardous decomposition products:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Routes of exposure	Eye contact	Causes serious eye irritation
	Skin contact	May cause skin irritation. May cause drying and cracking of skin.
	Ingestion	May cause irritation to mouth, throat and stomach
	Inhalation	May cause irritation to nose, throat and respiratory tract
Symptoms of Acute Exposure	Eye contact	Redness, pain, watering.
	Skin contact	May cause skin irritation. May cause drying and cracking of skin.
	Ingestion:	May cause irritation to mouth, throat and stomach.
	Inhalation:	No serious or irreversible effects expected.
Respiratory or skin sensitization	Skin sensitization	Not classified based on available information
	Respiratory sensitization	Not classified based on available information
Germ cell mutagenicity	Not classified based on available information	
Carcinogenicity	Not classified based on available information	
Reproductive toxicity	Not classified based on available information	
STOT-single exposure	Not classified based on available information	
STOT-repeated exposure	Not classified based on available information	
Aspiration toxicity	Not classified based on available information	
Calculated Acute Toxicity Estimates	Oral:	4,500 – 5,000 mg/kg
	Dermal:	5,000 - 6,000 mg/kg
	Inhalation	Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)	No data available

Persistence and degradability

Biodegradability	No data available

Bioaccumulative potential

Bioaccumulation	No data available
Mobility in soil	No data available
Results of Persistent, Bioaccumulative and Toxic substance and Very Persistent and Very Bioaccumulative assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Endocrine disrupting properties	No data available
Other adverse effects	Avoid release to the environment.

SECTION 13: DISPOSAL CONCIDERATIONS

Waste treatment methods

Product	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG	Not regulated as a dangerous good
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable for product as supplied.

Domestic regulation

TDG	Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

Volatile organic compounds (VOC) content	CANADIAN ENVIRONMENTAL PROTECTION ACT, 1999 - Guidelines for VOC in Consumer Products VOC content: 0 % / 0 g/l

The ingredients of this product are reported in the following inventories:

DSL	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AIIC	Australian Inventory of Industrial Chemicals
ASTM	American Society for the Testing of Materials
bw	Body weight
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DIN	Standard of the German Institute for Standardisation
DSL	Domestic Substances List (Canada)
ECx	Concentration associated with x% response
ELx	Loading rate associated with x% response
EmS	Emergency Schedule
ErCx	Concentration associated with x% growth rate response
ERG	Emergency Response Guide
GHS	Globally Harmonized System
GLP	Good Laboratory Practice
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50	Half maximal inhibitory concentration
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Organisation for Standardization
LC50	Lethal Concentration to 50 % of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
n.o.s	Not Otherwise Specified
Nch	Chilean Norm
NO(A)EC	No Observed (Adverse) Effect Concentration
NO(A)EL	No Observed (Adverse) Effect Level

NOELR	No Observable Effect Loading Rate
NOM	Official Mexican Norm
NTP	National Toxicology Program
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Co-operation and Development
OPPTS	Office of Chemical Safety and Pollution Prevention
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
(Q)SAR	(Quantitative) Structure Activity Relationship
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SADT	Self-Accelerating Decomposition Temperature
SDS	Safety Data Sheet
TDG	Transportation of Dangerous Goods
TSCA	Toxic Substances Control Act (United States)
UN	United Nations
UNRTDG	United Nations Recommendations on the Transport of Dangerous Goods
vPvB	Very Persistent and Very Bioaccumulative
WHMIS	Workplace Hazardous Materials Information System

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