



SAFETY DATA SHEET according to the Hazardous Products Regulations

Chrome Cleaner ADCCP-CC302-**

SECTION 1 - IDENTIFICATION

Product Identifier: **Chrome Cleaner**

Product code PreFix: **ADCCP-CC302-****

Other means of identification: No data available

Manufacturer or supplier's details

Company name of supplier: Addiction Detail Chemical Co. (ADCCo)

Address: 345 High St
Southampton, Ontario
N0H 2L0

Emergency Phone: (613) 996-6666 (CANUTEC) (888) 749-4121 ADCCo Customer Support)

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: Commercial Automotive Cleaner

Restrictions on use: Not applicable



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SECTION 2 – HAZARD IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Product Classifications:	Skin Corrosion/Irritation	Category 1
	Serious Eye Damage/Eye Irritation	Category 1

GHS label elements

Hazard pictograms / Symbols: GHS05



Signal Word: Danger

Hazard Statements:

- H290 Corrosive to Soft Metals
- H314 Causes Severe Skin Burns and Eye Damage
- H318 Causes Serious Eye Damage/Eye Irritation

Precautionary Statements:

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|-------------|-------------|---|
| Prevention: | H261 | Avoid breathing Mists or Vapours |
| | H262 | Do not Get in Eyes, on Skin, on Clothing |
| | P273 | Avoid release to environment |
| | P280 | Wear protective gloves, eye protection and face protection. |
| | P234 + P405 | Store in original container. Store locked up. |

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|-----------|---------------------------|---|
| Response: | P302 + P361 + P353 | 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. |
| | P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| | P304 + P341 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| | P306 + P362 + P364 | Take off contaminated clothing and wash it before reuse. |
| | P501 | Dispose of contents/container according to local, provincial and federal regulations. |



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Other hazards None known.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common Name/Synonym	CAS Number	Concentration (% w/w)
Sulphuric acid		7664-93-9	7 – 13
Ammonium hydrogen fluoride		1341-49-7	3 - 7
2-Butoxyethanol		111-76-2	1 – 5
Linear alcohol ethoxylate		68439-45-2	1 – 5

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. Immediately call a POISON CONTROL CENTRE or doctor.
IF ON SKIN:	Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Immediately call a POISON CONTROL CENTRE or doctor
IF SWALLOWED	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CONTROL CENTRE or doctor.
IF INHALED	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CONTROL CENTRE or doctor
Most important symptoms and effects, both acute and delayed	Eye contact : Burns, redness, watering, pain, loss of vision. Symptoms may be delayed. Skin contact : Severe burns, redness, itching, swelling, damage to underlying tissues. Symptoms may be delayed. Ingestion : Severe burns, redness, itching, swelling, damage to underlying tissues. Symptoms may be delayed. Inhalation : Burns to nose, throat and respiratory tract. Coughing, difficulty breathing and/or shortness of breath.
Protection of first aiders	First Aid responders should pay attention to self-protection and use the recommended personal protective equipment.



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Notes to physician Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	As for surrounding fire. Suitable materials include water spray, dry chemical, carbon dioxide, and alcohol-resistant foam.
Unsuitable extinguishing media	Not available.
Specific hazards during fire fighting	Non-combustible. If in a fire or heated, container may experience a pressure rise and rupture. During fire, gases hazardous to health may be formed. Combustion products include oxides of fluorine, hydrogen fluoride..
Hazardous combustion products	Oxides of carbon Oxides of sulphur Oxides of nitrogen. Fluorine, Hydrogen Fluoride.
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.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Immediately evacuate personnel to safe areas. Wear appropriate personal protective equipment (See Section 8: Exposure controls / Personal protection). Only trained and properly protected personnel must be involved in clean-up operations. 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	Stop leak if it is safe to do so. Dike spilled material, where possible. Absorb with suitable inert dry material such as absorbent clay and place into closed containers for disposal. Avoid dispersal of spilled material or contact with soil or entry into waterways, sewers and drains. Dispose of contents/containers according to local, provincial, and federal regulations. Following product recovery, flush area with water. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.



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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 away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	Keep in properly labeled containers. Keep away from incompatible materials (See Section 10: Stability and Reactivity). Keep away from strong bases, soft metals, hypochlorites and chlorine-releasing compounds. Do not store in glass. Store in a cool, dry, well-ventilated place. Keep container tightly closed when not in use. Store locked up.
Materials to avoid	Store in accordance with the national regulations. Do not store with the following product types: incompatible materials (See Section 10: Stability and Reactivity). Keep away from strong bases, soft metals, hypochlorites and chlorine-releasing compounds.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS Number	Value type	Permissible Concentration	Basis
Sulphuric acid	7664-93-9	TLV-TWA	0.2 mg/m ³	ACGIH
Ammonium hydrogen fluoride	1341-49-7	TLV-TWA	2.5 mg/m ³	ACGIH
2-Butoxyethanol	111-76-2	TLV-TWA	20 ppm	ACGIH
Linear alcohol ethoxylate	68439-45-2	TLV	Not established	

Ingredients with workplace control parameters	Contains no substances with occupational exposure limit values
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 Filter type	NIOSH/MSHA approved respiratory protection should be worn if exposure limits are exceeded or irritation is experienced,
Hand protection	Use only chemical-resistant protective gloves. Wash hands before breaks and at the end of workday.
Eye protection	Safety glasses or chemical splash goggles, and face shield.
Skin and body protection	Chemical-resistant protective gloves. Long pants and long sleeved shirt.
Hygiene measures	When using do not eat, drink or smoke. Wash contaminated clothing before re-use.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, red liquid
Odour	Not available
Odour Threshold:	Not available
pH:	2 - 4
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:	1.09
Solubility:	Complete in water
Partition Coefficient:	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity	Not available
Explosive properties	Not explosive
Oxidizing properties	Not applicable.
Particle characteristics / Size	Not applicable



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SECTION 10. STABILITY AND REACTIVITY

Reactivity:	With incompatible materials. Contact with soft metals forms flammable hydrogen gas. Contact with hypochlorites and chlorine releasing compounds forms toxic chlorine gas.
Chemical stability:	Chemically stable
Hazardous reactions:	With incompatible materials. Polymerization not expected to occur.
Conditions to avoid:	Avoid incompatible materials.
Incompatible materials:	Hypochlorites and chlorine-releasing compounds, strong bases, soft metals.
Hazardous decomposition products:	Not available

SECTION 11. TOXICOLOGICAL INFORMATION

Routes of exposure	Eye contact	Causes serious eye damage. Symptoms may be delayed.
	Skin contact	Causes severe skin burns. Symptoms may be delayed.
	Ingestion	Causes burns to mouth, throat and stomach.
	Inhalation	Causes burns to nose, throat and respiratory tract.
Symptoms of Acute Exposure	Eye contact	Burns, redness, watering, pain, loss of vision. Symptoms may be delayed.
	Skin contact	Severe burns, redness, itching, swelling, damage to underlying tissues. Symptoms may be delayed.
	Ingestion:	Burns, irritation and swelling to mouth, throat and stomach.
	Inhalation:	Burns to nose, throat and respiratory tract. Coughing, difficulty breathing and/or shortness of breath.
Respiratory or skin sensitization	Skin	Not classified based on available information
	Respiratory	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:	2,000 – 2,500 mg/kg
	Dermal:	> 10,000 mg/kg
	Inhalation	Not available



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SECTION 12. ECOLOGICAL INFORMATION

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 PBT and vPvB 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 CONSIDERATIONS

Waste treatment methods	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.
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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	For transportation in a road vehicle or a railway vehicle : TDG Classification : UN Number: 2922 Shipping Name : CORROSIVE LIQUID, TOXIC, N.O.S. (Sulphuric Acid, Ammonium Hydrogendifluoride) Class : 8 Subclass : 6.1 Packing Group : II Limited Quantity : 1L or less
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Special precautions for user	Not applicable
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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
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The ingredients of this product are reported in the following inventories:

Not available.



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SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; 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; ISHL -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; NTP - National Toxicology Program; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; (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

Legal Claim

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.