



SAFETY DATA SHEET according to the Hazardous Products Regulations

Citrus Glass ADCCR-CGC250-**

SECTION 1 - IDENTIFICATION

| | |
|---|---|
| Product Identifier: | Citrus Glass |
| Product code PreFix: | ADCCR-CGC250-** |
| 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) (888) 746-4121 (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: | Heavy Duty Cleaner and Degreaser |
| 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 2 |
| | Serious Eye Damage/Eye Irritation | Category 2 |

GHS label elements

Hazard pictograms / Symbols: GHS07



Signal Word: Warning

Hazard Statements:

| | |
|------|-------------------------------|
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |

Precautionary Statements:

Prevention:

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

Response:

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| 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.



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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

| Chemical Name | Common Name/Synonym | CAS Number | Concentration (% w/w) * |
|---------------------------|---------------------|------------|-------------------------|
| Linear alcohol ethoxylate | No data available | 97043-91-9 | 3 – 7 |
| Sodium metasilicate | No data available | 6834-92-0 | 1 – 5 |
| Sodium xylene sulphonate | No data available | 1300-72-7 | 1 – 5 |

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

SECTION 4. FIRST AID MEASURES

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| 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: | Burns, redness, watering, pain, loss of vision. 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: | Irritation, redness, itching. Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical attention. |
| IF SWALLOWED | Irritation to mouth, throat and stomach. Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell. |
| IF INHALED | Irritation to nose, throat and respiratory tract. Remove person to fresh air. Get medical attention if you feel unwell. |
| Most important symptoms and effects, both acute and delayed | Causes skin irritation. 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. |



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SECTION 5. FIRE-FIGHTING MEASURES

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| Suitable extinguishing media | As for surrounding fire. Not applicable Will not burn |
| Unsuitable extinguishing media | Not applicable Will not burn |
| 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. |



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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.



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SECTION 7. HANDLING AND STORAGE

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| 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 national regulations. Do not store with the following product types: Strong oxidizing agents Gases |



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Chemical Name | CAS Number | Value type | Permissible Concentration | Basis |
|---------------------------|------------|------------|---------------------------|-------|
| Linear alcohol ethoxylate | 97043-91-9 | TLV | Not established | |
| Sodium metasilicate | 6834-92-0 | TLV-TWA | 2 mg/m3 | ACGIH |
| Sodium xylene sulphonate | 1300-72-7 | TLV | Not established | |

| | |
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| Ingredients with workplace control parameters | Contains no other 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 | Combined particulates and organic vapor 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 | 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. |



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------|--|
| Appearance | Clear, orange liquid |
| Odour | Citrus |
| Odour Threshold: | Not available |
| pH: | 12.5 – 12.9 |
| 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: | 1.10 |
| 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 | The substance or mixture is not classified as oxidizing. |
| Particle characteristics / Size | Not applicable |



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SECTION 10. STABILITY AND REACTIVITY

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| Reactivity: | With Incompatible Materials. |
| Chemical stability: | Chemically stable |
| Hazardous reactions: | With Incompatible Materials. Polymerization not expected to occur. |
| Conditions to avoid: | Avoid incompatible materials. |
| Incompatible materials: | Strong acids. |
| 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 |
| | 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 | No serious or irreversible effects expected. |
| | Ingestion: | Nausea. |
| | 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: | >10,000 mg/kg |
| | Dermal: | >10,000 mg/kg |
| | Inhalation | Not available |



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SECTION 12. ECOLOGICAL INFORMATION

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|---|---|
| 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

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|-------------------------|--|
| 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. |
|-------------------------|--|

SECTION 14. TRANSPORT INFORMATION

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|--|---|
| 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 |



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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

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

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.