



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name EXCELL
CAS # Mixture
Product Use Cleaner
Manufacturer CFR Division of Tacony Corporation
3101 Wichita Court
Fort Worth, TX 76140-1710 US
Phone: 1-800-880-2913 ext.150

2. Hazards Identification

Emergency overview CAUTION
EYE AND SKIN IRRITANT.

Potential short term health effects

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Eyes May cause irritation.

Skin May cause irritation.

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Eyes. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Carbonic acid, sodium salt (2:3)	533-96-0	5 - 10
Benzenesulfonic acid, oxybis(decyl, disodium salt)	70146-13-3	1 - 5
Citric acid	77-92-9	1 - 5
Sodium carbonate	497-19-8	1 - 5

4. First Aid Measures

First aid procedures

Eye contact Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

Notes to physician Symptoms may be delayed.

General advice If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties Not flammable by WHMIS criteria.

Extinguishing media	
Suitable extinguishing media	Treat for surrounding material.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon. Oxides of sulphur.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
Storage	Keep out of reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls/Personal Protection

Exposure limits	Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH.
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye/Face protection	Wear safety glasses with side shields.
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Skin and body protection	As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practices. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance	Clear
Colour	Clear straw to. Colourless
Form	Liquid
Odour	Fresh
Odour threshold	Not available.
Physical state	Liquid.
pH	9 - 9.2 (100%)
Freezing point	Not available.

Boiling point	Not available.
Pour point	Not available.
Evaporation rate	Not available
Flash point	Not available.
Auto-ignition temperature	Not available.
Flammability Limits in Air, Upper, % by Volume	Not available.
Flammability Limits in Air, Lower, % by Volume	Not available.
Heat of combustion	Not available.
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	1.074 - 1.092
Partition coefficient (n-octanol/water)	Not available.
Solubility (Water)	Complete
Relative density	Not available.
Viscosity	Not available.
VOC	Not available
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	This product may react with oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of sulphur.

11. Toxicological Information

Toxicological data

Components	Species	Test results
Benzenesulfonic acid, oxybis(decyl, disodium salt) (CAS 70146-13-3)		
Acute		
<i>Inhalation</i>		
LC50	Not available	
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<i>Oral</i>		
LD50	Not available	
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Carbonic acid, sodium salt (2:3) (CAS 533-96-0)		
Acute		
<i>Dermal</i>		
LD50	Not available	
<hr/>		
<i>Inhalation</i>		
LC50	Not available	
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<i>Oral</i>		
LD50	Rat	5600 mg/kg
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Citric acid (CAS 77-92-9)		
Acute		
<i>Inhalation</i>		
LC50	Not available	

Components	Species	Test results
<i>Oral</i> LD50	Mouse	5040 mg/kg
	Rat	3000 mg/kg
Sodium carbonate (CAS 497-19-8)		
Acute <i>Dermal</i> LD50	Rat	> 2000 mg/kg
<i>Inhalation</i> LC50	Guinea pig	400 mg/m3
		0.8 mg/L, 2 Hours
	Mouse	1.2 mg/L, 2 Hours
	Rat	2.3 mg/L, 2 Hours
<i>Oral</i> LD50	Rat	4090 mg/kg

Effects of acute exposure

Eye contact	May cause irritation.
Skin contact	May cause irritation.
Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion	May cause stomach distress, nausea or vomiting.
Sensitisation	Non-hazardous by WHMIS criteria.
Chronic effects	Non-hazardous by WHMIS criteria.
Carcinogenicity	Non-hazardous by WHMIS criteria.
Mutagenicity	Non-hazardous by WHMIS criteria.
Reproductive effects	Non-hazardous by WHMIS criteria.
Teratogenicity	Non-hazardous by WHMIS criteria.
Name of Toxicologically Synergistic Products	Not available.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicological data

Components	Species	Test results
Citric acid (CAS 77-92-9)		
<i>Acute</i> Crustacea	EC50	Daphnia magna
		120 mg/L, 72 hr
Aquatic <i>Acute</i> Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)
		1516 mg/L, 96 hr
Sodium carbonate (CAS 497-19-8)		
Crustacea	EC50	Daphnia
		265 mg/L, 48 Hours
Aquatic Crustacea	EC50	Water flea (<i>Ceriodaphnia dubia</i>)
		156.6 - 298.9 mg/L, 48 hours
Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)
		300 mg/L, 96 hours

Persistence and degradability Not available.

Bioaccumulation/accumulation Not available

Mobility in environmental media Not available.

Environmental effects	Not available.
Aquatic toxicity	Not available.
Chemical fate information	Not available.

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

General	Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.
Transportation of Dangerous Goods (TDG - Canada)	Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
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Canada WHMIS Ingredient Disclosure: Threshold limits

Citric acid (CAS 77-92-9)	1 %
Sodium carbonate (CAS 497-19-8)	1 %

WHMIS status	Controlled
WHMIS Classification	Class D - Division 2B
WHMIS labeling	



Inventory status

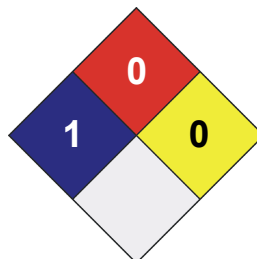
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date	04-September-2015
Effective date	04-September-2015
Expiry Date	04-September-2018

Prepared by
Other information

Dell Tech Laboratories Ltd. Phone: (519) 858-5021

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.