



Version 3.0	Revision Date: 09/10/2018		DS Number: 00000000262	Date of last issue: 09/06/2018 Date of first issue: 05/23/2016				
SECTION	SECTION 1. IDENTIFICATION							
Produ	uct name	:	CB SELECT ACI	D WHEEL CLNR 1 GA UN				
Produ	uct code	:	593633					
Comp Addre Emai Telep	Manufacturer or supplier's of Company name of supplier Address Email Address Telephone Emergency telephone num-							
ber								
Reco	mmended use of the c	her	nical and restriction	ons on use				
Reco	mmended use	:	Cleaner.					
Restr	ictions on use	:	Use only outdoors	s or in a well-ventilated area.				

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accor	dan	
Corrosive to metals	:	Category 1
Acute toxicity (Inhalation)	:	Category 4
Acute toxicity (Dermal)	:	Category 2
Skin corrosion	:	Category 1
Serious eye damage	:	Category 1
Carcinogenicity	:	Category 1A
GHS label elements		
Hazard pictograms	:	
Signal word	:	Danger
Hazard statements	:	May be corrosive to metals. Fatal in contact with skin.



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		Causes severe Harmful if inhal May cause can	
Preca	autionary statements	Do not handle u understood. Keep only in or Avoid breathing Do not get in ey Wash skin thor Do not eat, drin Use only outdo	instructions before use. until all safety precautions have been read and iginal container. g dust/ fume/ gas/ mist/ vapours/ spray. /es, on skin, or on clothing. oughly after handling. k or smoke when using this product. ors or in a well-ventilated area. e gloves/ protective clothing/ eye protection/ face
		Response: IF SWALLOWE IF ON SKIN: Ge diately call a PC IF ON SKIN (or clothing. Rinse IF INHALED: R for breathing. Ir IF IN EYES: Rin Remove contac rinsing. Immedi IF exposed or co Take off contan	ED: Rinse mouth. Do NOT induce vomiting. ently wash with plenty of soap and water. Imme- DISON CENTER or doctor/ physician. hair): Take off immediately all contaminated skin with water/shower. emove person to fresh air and keep comfortable nmediately call a POISON CENTER/doctor. hse cautiously with water for several minutes. ct lenses, if present and easy to do. Continue ately call a POISON CENTER/doctor. concerned: Get medical advice/ attention. hinated clothing and wash before reuse. to prevent material damage.
		Disposal:	o. ve resistant container with a resistant inner liner. tents/ container to an approved waste disposal

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Sulfuric Acid	7664-93-9	>= 5 - < 10
Hydrofluoric acid	7664-39-3	>= 3 - < 5
Ethylene glycol monobutyl ether	111-76-2	>= 1 - < 5
Alcohols, C7-21, ethoxylated	68991-48-0	>= 1 - < 5
Any concentration chown as a range is	to protect confidentiality	or in due to botch veriation

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES



Car Brite[™] SELECT ACID WHEEL CLEANER

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General advice Move out of dangerous area. : Consult a physician. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended. If inhaled • Move to fresh air. IF INHALED: Call a POISON CENTER/ doctor if you feel unwell If unconscious, place in recovery position and seek medical advice. Keep patient warm and at rest. If symptoms persist, call a physician. In case of skin contact Take off contaminated clothing and shoes immediately. Call a physician or poison control centre immediately. If on skin, rinse well with water. Immediately flush contaminated skin with large quantities of cool running water for 5 minutes. Remove contaminated clothing while flushing contaminated skin. Immediately after washing, apply 2.5% calcium gluconate gel to all affected skin areas. (Note: If gel is not prepared within 5 minutes, continue flushing until gel is prepared.) The gel should be massaged into the affected skin by personnel wearing gloves to prevent skin contamination during first aid. Gel should be applied every 15 minutes and massaged continuously. Instead of calcium gluconate treatment, the affected areas may be soaked in iced 0.13% benzalkonium chloride solution (Zephiran chloride). Use ice cubes rather than shaved ice to prevent frostbite. If it is not practical to immerse affected area, towels should be soaked with iced 0.13% benzalkonium chloride solution and used as compresses for the burned area. Compresses should be changed every 2-3 minutes and continued until pain is relieved or victim is seen by a physician. If neither calcium gluconate nor benzalkonium chloride is available, use an iced saturated water solution of magnesium sulfate (Epsom salts), or if that is not available, iced 70% alcohol or ice water. Local anesthetics should be avoided since relief of pain indicates success of the treatment. ***Get medical attention as soon as possible.*** ::::NOTE::::Calcium gluconate gel can be prepared by mixing a 10 milliliter ampule of calcium gluconate with a 2-ounce tube of K-Y jelly (Johnson & Johnson). After a jar of this mixture has been opened and used, it should be discarded to prevent bacterial or chemical contamination. Wash contaminated clothing before re-use. If skin irritation persists, call a physician. In case of eye contact In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye.



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		Keep eye wi	de open while rinsing.
lf swa	llowed	Do NOT ind Rinse mouth Do not give Never give a	attention immediately. uce vomiting. n with water. milk or alcoholic beverages. anything by mouth to an unconscious person. persist, call a physician.
and e	Most important symptoms and effects, both acute and delayed		t contains hydrofluoric acid (HF). Acute local ef- F exposure are concentration-dependent. If un- coposure is prolonged, even dilute solutions of HF elayed toxicity following penetration to subcuta- e. Acute systemic toxicity is largely dependent al amount of fluoride ion absorbed. Thus inges- ntact or significant inhalation can cause severe ects including electrolyte (calcium, magnesium, and acid-base abnormalities with resulting cardio- ects. Exposure of >5% of the body surface area incentration of HF may predispose the patient to t of hypocalcemia. Chronic exposure to less than amounts of HF is a low toxicity hazard. Repeat- and absorption of 10-80 mg of fluoride per day e systemic fluorosis. fact with skin. ous eye damage. haled. cancer. ere burns.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Carbon dioxide (CO2)
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	Sulphur oxides Hydrogen fluoride Carbon oxides
Specific extinguishing meth- ods	:	Product is compatible with standard fire-fighting agents.
Further information	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Ensure adequate ventilation. Avoid breathing dust. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	 Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Avoid contact with skin and eyes. When diluting, always add the product to water. Never add water to the product. Dispose of rinse water in accordance with local and national regulations. Container hazardous when empty. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Prevent unauthorized access.
Further information on stor- age stability	:	No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Sulfuric Acid	7664-93-9	TWA (Tho-	0.2 mg/m3	ACGIH



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			racic fraction)		
			TWA	1 mg/m3	NIOSH REL
			TWA	1 mg/m3	OSHA Z-1
			TWA	1 mg/m3	OSHA P0
Hydro	fluoric acid	7664-39-3	TWA	0.5 ppm (Fluorine)	ACGIH
			С	2 ppm (Fluorine)	ACGIH
			TWA	3 ppm 2.5 mg/m3	NIOSH REL
			С	6 ppm 5 mg/m3	NIOSH REL
			TWA	3 ppm	OSHA Z-2
			TWA	3 ppm (Fluorine)	OSHA P0
			STEL	6 ppm (Fluorine)	OSHA P0
Ethyle ether	ene glycol monobutyl	111-76-2	TWA	20 ppm	ACGIH
			TWA	5 ppm 24 mg/m3	NIOSH REL
			TWA	50 ppm 240 mg/m3	OSHA Z-1
			TWA	25 ppm 120 mg/m3	OSHA P0

Hazardous components without workplace control parameters

Components	CAS-No.
Alcohols, C7-21, ethoxylated	68991-48-0

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Hydrofluoric acid	7664-39-3	Fluoride (Fluorine)	Urine	Prior to shift (16 hours after exposure ceases)	2 mg/l	ACGIH BEI
		Fluoride (Fluorine)	Urine	End of shift (As soon as possible after exposure ceases)	3 mg/l	ACGIH BEI
Ethylene glycol mono- butyl ether	111-76-2	Butoxyace- tic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

Engineering measures

: Provide sufficient mechanical (general and/or local exhaust)



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				ntain exposure below exposure guidelines (if ow levels that cause known, suspected or effects.
Pe	rsonal protective equipn	nent		
Re	spiratory protection	:	In the case of vap proved filter.	oour formation use a respirator with an ap-
На	nd protection			
	Remarks	:	er). The suitability cussed with the p	oves (consult your safety equipment suppli- / for a specific workplace should be dis- roducers of the protective gloves. Discard tears, pinholes, or signs of wear.
Ey	e protection	:	: Wear chemical splash goggles and face shield when th potential for exposure of the eyes or face to liquid, vapo mist.	
Sk	in and body protection	:	 Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear as appropriate: Impervious clothing Safety shoes Remove and wash contaminated clothing before re-use 	
Ну	giene measures	:	practice. Avoid contact with When using do no	re breaks and immediately after handling

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: colourless
Odour	: pungent
рН	: <1
Melting point/freezing point	: No data available
Boiling point/boiling range	: 100 °C (1,013.33 hPa) The value is calculated
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available



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	Self-ig	nition	:	No data available	2
		explosion limit / Upper bility limit	:	10.6 %(V) The value is calc	ulated
		explosion limit / Lower bility limit	:	1.1 %(V) The value is calc	ulated
V	′apour	pressure	:	23.33 hPa (20 °C The value is calc	,
D	ensity	,	:	1.031 g/cm3	
S		ty(ies) er solubility	:	No data available	
-		n coefficient: n- /water	:	No data available	9
V	′iscosi [.] Visc	ty osity, dynamic	:	No data available	
	Visc	osity, kinematic	:	No data available	9
С	Dxidizir	ng properties	:	No data available	9

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
		No decomposition if stored and applied as directed.
Chemical stability	:	Stable under normal conditions.
		No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	No decomposition if stored and applied as directed. Hazardous polymerisation does not occur.
Conditions to avoid	:	Do not allow evaporation to dryness. Exposure to moisture
		No data available
Incompatible materials	:	Acid anhydrides Acids Alcohols Aldehydes Aluminium Amines Ammonia Bases carbide carbonates chlorates



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		Chlorine Combustible n Copper Copper alloys Cyanides glycols halogens Metals Organic mater organic nitro c Powdered me salts of strong Strong oxidizir Strong reducir sulfides sulphites	ials ompounds tals bases ng agents ng agents	
Haza produ	rdous decomposition	: Carbon oxides	i	

Information on likely routes of exposure

Information on likely routes of exposure					
Inhalation Skin contact Eye contact Ingestion					
Acute toxicity					
Fatal in contact with skin. Harmful if inhaled.					
Product:					
Acute oral toxicity	:	Remarks: Causes digestive tract burns.			
		Acute toxicity estimate: 2,205 mg/kg Method: Calculation method			
Acute inhalation toxicity	:	Acute toxicity estimate: 12.13 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method			
Acute dermal toxicity	:	Acute toxicity estimate: 123.93 mg/kg Method: Calculation method			
Components:					
Sulfuric Acid:					
Acute oral toxicity	:	LD50 (Rat): 2,140 mg/kg			
Hydrofluoric acid: Acute oral toxicity	:	Assessment: The component/mixture is toxic after single in- gestion.			



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	Acute inhalation toxicity Acute dermal toxicity		:	Assessment: The term inhalation.	component/mixture is highly toxic after short
			: LDLo (Mouse): 500 mg/kg Assessment: The component/mixture is extremely toxic after single contact with skin.		
	Ethyler	ne glycol monobutyl e	ethe	er:	
	Acute o	ral toxicity	:	LD50 (Guinea pig)): 1,200 mg/kg
	Acute ir	halation toxicity	:	LC50 (Guinea pig) Exposure time: 1 I Test atmosphere: Assessment: The short term inhalati	n dust/mist component/mixture is moderately toxic after
	Acute d	ermal toxicity	:	LD50 (Guinea pig) Assessment: The single contact with	component/mixture is moderately toxic after
	A a a b a		1.		

Alcohols, C7-21, ethoxylated:

Acute oral toxicity :	:	LD50 (Rat): > 2,000 mg/kg
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Skin corrosion/irritation

Causes severe burns.

Product:

Remarks: Both the liquid and vapor can cause severe burns which may not be immediately painful or visible. Pain may become gradually more severe, possibly taking 1-24 hours to become noticable. These burns can be very deep, possibly causing bone damage, and are very slow to heal. Even solutions containing 2% or less hydrogen fluoride or other inorganic fluoride compounds can cause burns and tissue damage.

Components:

Sulfuric Acid:

Result: Causes severe burns.

Hydrofluoric acid:

Result: Corrosive after 3 minutes or less of exposure

Ethylene glycol monobutyl ether:

Result: Irritating to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.



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Components:

Sulfuric Acid:

Result: Irreversible effects on the eye Assessment: Corrosive

Hydrofluoric acid:

Result: Irreversible effects on the eye Assessment: Corrosive

Ethylene glycol monobutyl ether:

Result: Irritating to eyes. Assessment: Irritating to eyes.

Alcohols, C7-21, ethoxylated:

Result: Irritating to eyes.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Components:

NTP

T4b.d.

Ethylene glycol monobutyl ether:							
Genotoxicity in vitro	: Test Type: Ames test Test system: Salmonella typ Metabolic activation: with an Result: negative	himurium d without metabolic activation					
Carcinogenicity							
May cause cancer.							
Components:							
Sulfuric Acid: Carcinogenicity - Assess- ment	: Positive evidence from huma	an epidemiological studies					
IARC	Group 1: Carcinogenic to huma	INS					
	Sulfuric Acid	7664-93-9					
OSHA	No component of this product p	present at levels greater than or					

Known to be human carcinogen

equal to 0.1% is on OSHA's list of regulated carcinogens.



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		Sulfuric Acid	7664-93-9					
-	oductive toxicity	ailable 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.								
Further information								
<u>Product:</u> Remarks: No data available								
ECTION	12. ECOLOGICAL IN							

SECTION 13. DISPOSAL CONSIDERATIONS

Waste from residues	:	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

International Regulations

IATA-DGR		
UN/ID No.	:	UN 2922
Proper shipping name	:	Corrosive liquid, toxic, n.o.s. (SULFURIC ACID, Hydrofluoric acid)
Class	:	8
Subsidiary risk	:	6.1
Packing group	:	II
Labels	:	8 (6.1)
Packing instruction (cargo aircraft)	:	855
Packing instruction (passenger aircraft)	:	851
IMDG-Code		



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UN n	umber	:	UN 2922			
Proper shipping name		:	: CORROSIVE LIQUID, TOXIC, N.O.S. (SULFURIC ACID, Hydrofluoric acid)			
Class	6	:	8			
Subsidiary risk		:	6.1			
Packing group		:	: 11			
	Labels		: 8 (6.1)			
EmS	Code	:	F-A, Ś-B			
Marin	ne pollutant	:	no			
Tran	sport in bulk accord	ina to	Annex II of MA	RPOL 73/78 and the IBC Code		

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR UN/ID/NA number Proper shipping name	:	UN 2922 Corrosive liquids, toxic, n.o.s. (SULFURIC ACID, Hydrofluoric acid)
Class	:	8
Subsidiary risk	:	6.1
Packing group	:	II
Labels	:	8 (6.1)
ERG Code	:	154
Marine pollutant	:	no

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Hydrofluoric acid	7664-39-3	100	2481

SARA 304 Extremely Hazardous Substances Reportable Quantity

-		-	
Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Hydrofluoric acid	7664-39-3	100	2481

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component TPQ (lbs)		
Sulfuric Acid	7664-93-9	1000		
Hydrofluoric acid	7664-39-3	100		
SARA 311/312 Hazards	Corrosive to metals Acute toxicity (any Skin corrosion or in	 Acute Health Hazard Corrosive to metals Acute toxicity (any route of exposure) Skin corrosion or irritation Serious eye damage or eye irritation Carcinogenicity 		
SARA 313	e 1	mponents are subject to reporting levels es- RA Title III, Section 313:		

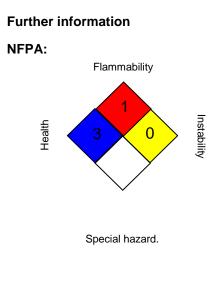


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		Sulfuric Acid	7664-93-9	>= 5 - < 10 %
		Hydrofluoric acid	7664-39-3	>= 1 - < 5 %
		Ethylene glycol mo butyl ether	ono- 111-76-2	>= 1 - < 5 %

California Prop. 65

WARNING: This product can expose you to chemicals including Sulfuric Acid, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION



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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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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