Safety Data Sheet
according to WHS Regulations

Printing date 21.10.2019 Revision: 21.10.2019

1 Identification

Product Name: ECO CLEANER

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Detergent for coffee machines.

Details of Manufacturer or Importer:
Vittoria Food and Beverage
118 Wetherill St.
Silverwater NSW 2128

Phone Number: 02 9748 0299

Emergency telephone number: 04 2030 8253

2 Hazard(s) Identification

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).


flame over circle

Oxidising Solids 2	H272 May intensify fire; oxidiser.


corrosion

Serious Eye Damage/Irritation 1	H318 Causes serious eye damage.

Acute Toxicity (Oral) 4	H302 Harmful if swallowed.
STOT SE 3	H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary Statements

P210	Keep away from heat. - No smoking.
P220	Keep/Store away from clothing/combustible materials.
P221	Take any precaution to avoid mixing with combustibles.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330	Rinse mouth.

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P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P370+P378	In case of fire: Use to extinguish: CO2, powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 15630-89-4	Disodium carbonate, compound with hydrogenperoxide (2:3) Oxidising Liquids 2, H272; Oxidising Solids 2, H272; Serious Eye Damage/Irritation 1, H318; Acute Toxicity (Oral) 4, H302	47.7 - 50%
CAS: 497-19-8	Sodium carbonate Serious Eye Damage/Irritation 1, H318; STOT SE 3, H335	13 - 15%
CAS: 1344-09-8	Silicic acid, sodium salt Serious Eye Damage/Irritation 1, H318; Skin Corrosion/Irritation 2, H315; STOT SE 3, H335	4 - 7%
CAS: 29329-71-3	Phosphonic acid, (1-hydroxyethylidene)bis-, sodium salt Acute Toxicity (Oral) 4, H302; Serious Eye Damage/Irritation 2A, H319	1 - 3%
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide Serious Eye Damage/Irritation 1, H318; Skin Corrosion/Irritation 2, H315; Aquatic Chronic 3, H412	1 - 2.5%

4 First Aid Measures

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, hold eyelids open and rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if symptoms occur.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: May cause respiratory irritation.
Skin Contact: May cause skin irritation.
Eye Contact: Causes serious eye damage. May cause irreversible eye discolouration.
Ingestion: Harmful if swallowed. May cause stomach pain, nausea and diarrhoea.

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5 Fire Fighting Measures

Suitable Extinguishing Media:
Water fog, alcohol resistant foam, dry chemical powder or carbon dioxide. Do not use full water jets.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon and metals.
May intensify fire; oxidiser.
Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and sweep into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Wash spill area with plenty of water.

7 Handling and Storage

Precautions for Safe Handling:
May intensify fire; oxidiser
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.
Food, beverages and tobacco products should not be stored or consumed where this material is in use.
Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Keep in original containers. Opened containers must be carefully resealed and stored upright to prevent leaks. Protect from heat, sparks, open flames and other sources of ignition. Keep away from acids, bases, reducing agents, metal powders and combustible materials.

8 Exposure Controls and Personal Protection

Exposure Standards:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:
Where an inhalation risk exists, wear a Class P1, 2 or 3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Cotton, rubber, PVC or viton gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards

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the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:	
Form:	Porous solid
Colour:	White
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	10.4
Melting point/freezing point:	Not applicable
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	May intensify fire; oxidiser
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	Not applicable
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	Not applicable

10 Stability and Reactivity

Possibility of Hazardous Reactions:
Hazardous polymerisation will not occur.
May intensify fire; oxidiser.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Acids, bases, reducing agents, metal powders and combustible materials.

Hazardous Decomposition Products: Oxides of carbon and metals.

11 Toxicological Information

Toxicity:

LD_{50}/LC_{50} Values Relevant for Classification:		
CAS: 15630-89-4 Disodium carbonate, compound with hydrogenperoxide (2:3)		
Oral	LD_{50}	1,034 mg/kg (rat)
Dermal	LD_{50}	>2,000 mg/kg (rabbit)

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CAS: 497-19-8 Sodium carbonate		
Oral	LD_{50}	4,090 mg/kg (rat)
Dermal	LD_{50}	>2,000 mg/kg (rabbit)
CAS: 1344-09-8 Silicic acid, sodium salt		
Oral	LD_{50}	>2,000 mg/kg (rat)
CAS: 29329-71-3 Phosphonic acid, (1-hydroxyethylidene)bis-, sodium salt		
Oral	LD_{50}	1,340 mg/kg (rat)
Dermal	LD_{50}	>5,000 mg/kg (rabbit)
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide		
Oral	LD_{50}	2,240 mg/kg (rat)
Dermal	LD_{50}	>2,000 mg/kg (rat)

Acute Health Effects
Inhalation: May cause respiratory irritation.
Skin: May cause skin irritation.
Eye: Causes serious eye damage. May cause irreversible eye discolouration.
Ingestion: Harmful if swallowed. May cause stomach pain, nausea and diarrhoea.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:	
CAS: 15630-89-4 Disodium carbonate, compound with hydrogenperoxide (2:3)	
EC_{50}/48 h	4.9 mg/l (daphnia)
LC_{50}/96 h	70.7 mg/l (fathead minnow)
CAS: 497-19-8 Sodium carbonate	
EC_{50}/48 h	200 mg/l (daphnia)
LC_{50}/96 h	300 mg/l (lepomis macrochirus)
EC_{50}/120hr	242 mg/l (algae)

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CAS: 1344-09-8 Silicic acid, sodium salt	
EC_{50}/48 h	1,700 mg/l (daphnia)
EC_{50}/72 h	207 mg/l (scenedesmus subspicatus)
LC_{50}/96 h	1,108 mg/l (brachydanio rerio)
CAS: 29329-71-3 Phosphonic acid, (1-hydroxyethylidene)bis-, sodium salt	
EC_{50}/48 h	527 mg/l (daphnia)
LC_{50}/96 h	195 mg/l (rainbow trout)
Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide	
EC_{50}/48 h	8.8 mg/l (daphnia)
EC_{50}/72 h	72 mg/l (scenedesmus subspicatus)
LC_{50}/96 h	5.5 mg/l (carp)

Persistence and Degradability: This product is degradable.

Bioaccumulative Potential: Bioaccumulation is not expected to occur.

Mobility in Soil: No further relevant information available.
Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number
ADG, IMDG, IATA UN1479

Proper Shipping Name
ADG, IMDG, IATA OXIDIZING SOLID, N.O.S. (Disodium carbonate, compound with hydrogenperoxide (2:3))

Dangerous Goods Class
ADG Class: 5.1 Oxidising substances.

Packing Group:
ADG, IMDG, IATA III

EMS Number: F-A,S-Q

Hazchem Code: 1Y

Special Provisions: 223, 274

Limited Quantities: 5 kg

Packagings & IBCs - Packing Instruction: P002, IBC08, LP02

Packagings & IBCs - Special Packing Provisions: B3

Portable Tanks & Bulk Containers - Instructions: T1

Portable Tanks & Bulk Containers - Special Provisions: TP33

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15 Regulatory Information

Australian Inventory of Chemical Substances:	
CAS: 15630-89-4	Disodium carbonate, compound with hydrogenperoxide (2:3)
CAS: 497-19-8	Sodium carbonate
CAS: 1344-09-8	Silicic acid, sodium salt
CAS: 29329-71-3	Phosphonic acid, (1-hydroxyethylidene)bis-, sodium salt

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 21.10.2019

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC_{50}: Lethal concentration, 50 percent
LD_{50}: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Oxidising Liquids 2: Oxidising liquids, Hazard Category 2
Oxidising Solids 2: Oxidising solids, Hazard Category 2
Acute Toxicity (Oral) 4: Acute toxicity – Category 4
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer
This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”
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