SAFETY DATA SHEET

1. Identification

Product identifier Resin Bonded Abrasives

Other means of identification None.

Recommended use Industrial use. Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

CGW Camel Grinding Wheel Works Ltd.

Address

Kibbutz Sarid 3658900 Israel

Telephone number

+972-4-6507216

e-mail

sales@cgwheels.com

Contact person

Joseph O'Mera

Supplier

CGW Camel Grinding Wheels, Inc.

Address

7525 N Oak Park Ave. Niles, IL 60714 United States

Telephone number

800-447-3731

e-mail

sales@cgwcamel.com

Emergency telephone

number

800-447-3731

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Acute toxicity, inhalation Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2

Carcinogenicity

Category 1B

Reproductive toxicity

Effects on or via lactation

Specific target organ toxicity, single exposure

Category 3 respiratory tract irritation

Specific target organ toxicity, repeated

Category 1 (lungs, skeletal)

exposure

Environmental hazards

Hazardous to the aquatic environment, acute

hazard

Category 2

Hazardous to the aquatic environment,

long-term hazard

Category 2

OSHA defined hazards

Not classified.

Label elements



Issue date: 21-August-2015

Signal word

Hazard statement

Danger

Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause cancer. May cause harm to breast-fed children. Causes damage to organs (lungs, skeletal) through prolonged or repeated exposure. Toxic to aquatic life with long lasting

effects.

Revision date: -

Precautionary statement

Obtain special instructions before use. Do not handle until all safety precautions have been read Prevention

and understood. Do not breathe dust. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment, Wear protective gloves/protective

clothing/eye protection/face protection.

If exposed or concerned: Get medical advice/attention. If inhaled: Remove person to fresh air and Response

keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If skin irritation occurs; Get medical advice/attention. Take off contaminated clothing and wash before reuse. 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 advice/attention. Collect spillage.

Storage Store in a well-ventilated place, Keep container tightly closed. Store tocked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations,

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%	
Aluminum oxide	1344-28-1	40 - 95	
Zirconium dioxide	1314-23-4	40 - 95	
Silicon carbide whiskers	409-21-2	40 - 95	
Aluminum potassium fluoride	60304-36-1	5 - 40	
Calcium carbonate	471-34-1	2 - 30	
Trisodium hexafluoroaluminate	15096-52-3	2 - 30	
Tripotassium hexafluoroaluminate	13775-52-5	0 - 25	
Fiberglass	65997-17-3	13	

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation

Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.

Skin contact

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation

develops and persists.

Ingestion

Rinse mouth thoroughly with water and give large amounts of milk or water to people not

unconscious. Get medical attention immediately.

Most important symptoms/effects, acute and delayed

Moderate eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Coughing. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects. Absorbed fluoride can cause metabolic imbalances with irregular heartbeat, nausea, dizziness, vomiting and seizures.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice/attention. 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.

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5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Use water spray to cool unopened containers.

Specific methods
General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Prevent product from entering drains. Stop the flow of material, if this is without risk. Collect in approved containers and seal securely. Containers must be labeled.

Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
Aluminum oxide (CAS 1344-28-1)	PEL	5 mg/m3	Respirable fraction.
•		15 mg/m3	Total dust.
Aluminum potassium fluoride (CAS 60304-36-1)	PEL	2.5 mg/m3	
Calcium carbonate (CAS 471-34-1)	PEL	5 mg/m3	Respirable fraction.
477 04 17		15 mg/m3	Total dust.
Silicon carbide whiskers (CAS 409-21-2)	PEL	5 mg/m3	Respirable fraction.

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US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components		уре		Value	Form
-				15 mg/m3	Total dust.
Tripotassium		PEL		2.5 mg/m3	
hexafluoroaluminate (CAS 13775-52-5)					
Zirconium dioxide (CAS	F	PEL		5 mg/m3	
1314-23-4)		· -		- mg//10	
US. OSHA Table Z-2 (29 (CFR 1910.1000)				
Components	Т	уре		Value	Form
Aluminum potassium	Т	WA		2.5 mg/m3	Dust.
fluoride (CAS 60304-36-1)		****			
Tripotassium hexafluoroaluminate (CAS	I	WA		2.5 mg/m3	Dust.
13775-52-5)					
US. ACGIH Threshold Lin	nit Values				
Components	Т	ype		Value	Form
Aluminum oxide (CAS		WA		1 mg/m3	Respirable fraction.
1344-28-1)	~	1414		-	•
Aluminum potassium fluoride (CAS 60304-36-1)	T	WA		2.5 mg/m3	
Tripotassium	Т	WA		2.5 mg/m3	
hexafluoroaluminate (CAS				J	
13775-52-5) Zirconium dioxide (CAS	•	TC1		10 / 0	
1314-23-4)	5	TEL		10 mg/m3	
,	Т	WA		5 mg/m3	
US. NIOSH: Pocket Guide	to Chemical Hazar	ds		3,	
Components	τ	ype		Value	Form
Aluminum potassium	***				
	ļ.	WA		2.5 mg/m3	
fluoride (CAS 60304-36-1)				-	
fluoride (CAS 60304-36-1) Calcium carbonate (CAS		WA WA		2.5 mg/m3 5 mg/m3	Respirable.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS				5 mg/m3	
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1)	Т	WA		5 mg/m3	Total
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS	Т			5 mg/m3	
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS	Т	WA		5 mg/m3 10 mg/m3 3 fibers/cm3	Total Fiber. Dust.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS	Т	WA		5 mg/m3 10 mg/m3 3 fibers/cm3 5 mg/m3	Total Fiber. Dust. Fiber, total
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3)	Т	WA WA		5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers	Т	WA		5 mg/m3 10 mg/m3 3 fibers/cm3 5 mg/m3	Total Fiber. Dust. Fiber, total
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers	Т	WA WA		5 mg/m3 10 mg/m3 3 fibers/cm3 5 mg/m3 5 mg/m3 5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium	T	WA WA		5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS	T	WA WA		5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3 5 mg/m3 10 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS 15096-52-3)	T T	WA WA WA		5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3 10 mg/m3 2.5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS 15096-52-3) Zirconium dioxide (CAS	T T	WA WA		5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3 5 mg/m3 10 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS 15096-52-3) Zirconium dioxide (CAS	T T T S	WA WA WA		5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3 10 mg/m3 2.5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS	T T T S	WA WA WA TEL		5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3 10 mg/m3 2.5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS 15096-52-3) Zirconium dioxide (CAS 1314-23-4) oglcal limit values	T T T S T	WA WA WA TEL		5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3 10 mg/m3 2.5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable.
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS 15096-52-3) Zirconium dioxide (CAS 1314-23-4) oglcal limit values ACGIH Biological Exposu	T T T S T	WA WA WA TEL		5 mg/m3 10 mg/m3 3 fibers/cm3 5 mg/m3 5 mg/m3 10 mg/m3 2.5 mg/m3 10 mg/m3 5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable. Total
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS 15096-52-3) Zirconium dioxide (CAS 1314-23-4) oglical limit values ACGIH Biological Exposu Components Aluminum potassium	T T T S T	WA WA WA TEL		5 mg/m3 10 mg/m3 3 fibers/cm3 5 mg/m3 5 mg/m3 10 mg/m3 2.5 mg/m3 10 mg/m3 5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable. Total
fluoride (CAS 60304-36-1) Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3) Silicon carbide whiskers (CAS 409-21-2) Trisodium nexafluoroaluminate (CAS 15096-52-3) Zirconium dioxide (CAS 1314-23-4) ogical limit values ACGIH Biological Exposu	T T S T re Indices	WA WA WA TEL WA Determinant	Specimen	5 mg/m3 10 mg/m3 3 fibers/cm3 3 fibers/cm3 5 mg/m3 5 mg/m3 10 mg/m3 2.5 mg/m3 10 mg/m3 5 mg/m3	Total Fiber. Dust. Fiber, total fibers, total dust Respirable. Total

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ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Tripotassium hexafluoroaluminate (CAS 13775-52-5)	3 mg/l	Fluoride	Urine	*
·	2 mg/l	Fluoride	Urine	*

^{* -} For sampling details, please see the source document.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide easy access to water supply or an emergency shower.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended,

Respiratory protection Thermal hazards

In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations

Wear appropriate thermal protective clothing, when necessary.

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements.

9. Physical and chemical properties

Appearance

Physical state

Solid.

Form

Wheel

Color

Black. Brown, Red.

Odor

Slight.

Odor threshold

Not available.

рH

Not applicable.

Melting point/freezing point

Not available.

Initial boiling point and boiling

Not applicable.

range

Flash point

Evaporation rate

Not applicable.

Not applicable.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not applicable.

(%)

Flammability limit - upper

Not applicable.

Explosive limit - lower (%)

Not applicable.

Explosive limit - upper (%)

Not applicable.

Vapor pressure Vapor density

Not applicable. Not applicable.

Relative density

Not available.

Solubility(ies)

Solubility (water)

Not available.

Partition coefficient

Not available.

(n-octanol/water)

Auto-ignition temperature

Not applicable.

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929894 Version #: 01 Revision date: -Issue date: 21-August-2015 Decomposition temperature

Not available. Viscosity Not applicable.

Other information

Explosive properties **Oxidizing properties**

Not explosive. Not oxidizing.

10. Stability and reactivity

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation

Harmful if inhaled.

Skin contact

Causes skin irritation.

Eye contact

Causes serious eye irritation.

Ingestion

Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Moderate eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Coughing. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects. Absorbed fluoride can cause metabolic

imbalances with irregular heartbeat, nausea, dizziness, vomiting and seizures.

Information on toxicological effects

Acute toxicity

Harmful if inhaled. May cause respiratory irritation.

Components Species **Test Results** Calcium carbonate (CAS 471-34-1)

Acute

Oral

LD50

6450 ma/ka

Trisodium hexafluoroaluminate (CAS 15096-52-3)

Acute

Dermal

LD50

Rabbit

> 2100 mg/kg

Inhalation

LC50

Rat

Rat

4.47 mg/l, 4 hours

Oral

LD50

Rat

> 5000 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Respiratory or skin sensitization

Respiratory sensitization

Not a respiratory sensitizer.

Causes serious eye irritation.

Skin sensitization

This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity

May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Silicon carbide whiskers (CAS 409-21-2)

2A Probably carcinogenic to humans.

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^{*} Estimates for product may be based on additional component data not shown.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity

May cause harm to breastfed babies.

Specific target organ toxicity -

single exposure

May cause respiratory irritation.

Specific target organ toxicity -

repeated exposure

Causes damage to organs (lungs, skeletal) through prolonged or repeated exposure.

Aspiration hazard

Not an aspiration hazard.

Chronic effects

Causes damage to organs through prolonged or repeated exposure.

Further information

Prolonged overexposure to fluorides may increase fluoride content of bones and teeth, and may result in fluorosis, with mottling of teeth (in children) and brittleness of bones.

12. Ecological information

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Components Species **Test Results** Trisodium hexafluoroaluminate (CAS 15096-52-3) Aquatic Fish LC50 Rainbow trout, donaldson trout 47 mg/l, 96 hours (Oncorhynchus mykiss)

* Estimates for product may be based on additional component data not shown.

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Environmentally hazardous substances, solid, n.o.s. (Trisodium hexafluoroaluminate)

Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number

UN3077

UN proper shipping name

Transport hazard class(es)

Class

9

Subsidiary risk Label(s) Packing group

9 Ш

Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

Special provisions

8, 146, 335, A112, B54, IB8, IP3, N20, T1, TP33

Packaging exceptions

155

Packaging non bulk 213

Packaging bulk 240

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IATA

UN number

UN3077

UN proper shipping name

Environmentally hazardous substance, solid, n.o.s. (Trisodium hexafluoroaluminate)

Transport hazard class(es)

Class

9

Subsidiary risk Packing group

Ш

Environmental hazards

Yes

ERG Code

91

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number

UN3077

UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TRISODIUM

HEXAFLUOROALUMINATE)

Transport hazard class(es)

Class

9

Subsidiary risk

Packing group

111

Environmental hazards

Marine pollutant

Yes F-A, S-F

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to

Not applicable.

Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No

Pressure Hazard - No. Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Yes

chemical

SARA 313 (TRI reporting)

Chemical name Aluminum oxide

CAS number 1344-28-1

% by wt. 40 - 95

Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

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US state regulations

US. Massachusetts RTK - Substance List

Aluminum oxide (CAS 1344-28-1) Calcium carbonate (CAS 471-34-1) Silicon carbide whiskers (CAS 409-21-2) Zirconium dioxide (CAS 1314-23-4)

US. New Jersey Worker and Community Right-to-Know Act

Aluminum oxide (CAS 1344-28-1)

Aluminum potassium fluoride (CAS 60304-36-1)

Calcium carbonate (CAS 471-34-1) Fiberglass (CAS 65997-17-3)

Silicon carbide whiskers (CAS 409-21-2)

Tripotassium hexafluoroaluminate (CAS 13775-52-5) Trisodium hexafluoroaluminate (CAS 15096-52-3)

US. Pennsylvania Worker and Community Right-to-Know Law

Aluminum oxide (CAS 1344-28-1)

Aluminum potassium fluoride (CAS 60304-36-1)

Calcium carbonate (CAS 471-34-1) Silicon carbide whiskers (CAS 409-21-2)

US. Rhode Island RTK

Aluminum oxide (CAS 1344-28-1)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	·
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No.
Korea	Existing Chemicals List (ECL)	
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

16. Other information, including date of preparation or last revision

issue date

21-August-2015

Revision date

01

Version # HMIS® ratings

Health: 2*

Flammability: 0 Physical hazard: 0

NFPA ratings



Resin Bonded Abrasives 929894 Version #: 01

SDS US

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A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Disclaimer

CGW Camel Grinding Wheels cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

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