

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE SUPPLIER

1 (a)	GHS Product Identifier	Calibrase Abrasive Products
1 (b)	Other means of Identification	Calibrase Wheels, Wearasers, Weardiscs, Resilient Abradants CS-2 Part No. (134158) CS-8 Part No. (135177, 133715, 133716) CS-10 Part No. (125320, 130685, 132076, 131434) CS-10F Part No. (125321, 130684, 132075, 131433) CS-10P Part No. (132684) CS-10W Part No. (130950) CS-17 Part No. (125322, 130686, 132077, 131435) CS-19 Part No. (134904) CS-T3 Part No. (132661)
1 (c)	Recommended use	Abrasion testing, testing media
	Restrictions on use	No information available
1 (d)	Supplier Details	Taber Industries 455 Bryant Street North Tonawanda, NY 14120, USA Phone: 716.694.4000 Fax: 716.694.1450 Email: sales@taberindustries.com www.TaberIndustries.com
1 (e)	Emergency Phone Number	716.694.4000 (Monday – Friday, 8:00am – 4:30pm ET, USA)

SECTION 2: HAZARDS IDENTIFICATION

2 (a)	GHS Classification of substance/ mixture according to:				
	Regulation (EC) No. 1272/2008 (CLP)	The mixture is not classified as hazardous.			
	OSHA Hazard Communication (29 CFR 1910.1200)	The mixture is not classified as hazardous within the United States.			
	Additional information:	Not available			
2 (b)	GHS Label Elements including precautionary statements	Signal Word(s)	Not regulated	Hazard Symbol(s)	Not regulated
		Hazard Statement(s)	Not regulated		
		Precautionary Statement(s)	Not regulated		
	Additional information:	NFPA 704 Ratings (scale 0 - 4)	Health Rating =		1
			Flammability Rating =		0
			Instability Rating =		0
			Special Hazards =		None
		Note: The product as supplied and during normal usage is in a solid, formed abrasive shape that may release nuisance dust.			
2 (c)	Other hazards not otherwise classified	Not available			

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3(a/b) Substance/ Mixture: Mixture * Exact percentages of this mixture have been withheld as a trade secret.

<u>Chemical Identity</u>	<u>CAS No.</u>	<u>% Weight</u>	<u>GHS Classification</u>
Aluminum Oxide	1344-28-1	0-80	None
Cured Polyurethane	Mixture	20-100	None
Silica, Vitreous	60676-86-0	0-60	None

SECTION 4: FIRST-AID MEASURES

4 (a) Description of necessary First-Aid measures

General Information:	Take affected persons out into the fresh air.
After Inhalation:	Supply fresh air; consult doctor in case of complaints.
After Skin Contact:	Brush off loose particles from skin. Wash skin with soap and water. If skin irritation is experienced, consult a doctor.
After Eye Contact:	Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After Swallowing:	Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

4 (b) Most important symptoms/ effects, acute and delayed Slight irritant effect on eyes.

4 (c) Indication of immediate medical attention & special treatment needed No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

5 (a) Suitable extinguishing Media	Use fire extinguishing methods suitable to surrounding conditions.
Unsuitable extinguishing Media	None.
5 (b) Specific hazards arising from the chemical	No further relevant information available.
5 (c) Special protective equipment and precautions for fire-fighters	Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6 (a) Personal precautions, protective equipment and emergency procedures	Avoid formation of dust. Wear protective equipment. Use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation.
6 (b) Environmental precautions	Do not allow to enter sewers/ surface or ground water.
6 (c) Methods and materials for containment and clean up	Pick up mechanically.

SECTION 7: HANDLING AND STORAGE

7 (a) Precautions for safe handling	Use only in well ventilated areas. Any unavoidable deposit of dust must be regularly removed. Prevent formation of dust. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.
7 (b) Conditions for safe storage, including any incompatibilities	Store away from oxidizing agents. Store away from foodstuffs. Do not store together with acids. Store receptacle in a well-ventilated area. Protect from humidity and water.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8(a) Control Parameters: Ingredients with limit values that require monitoring at the workplace

Chemical Identity	CAS No.	Agency	Exposure Guidelines
Aluminum Oxide	1344-28-1	OSHA PEL	15 mg/m ³ TWA Total Dust 5 mg/m ³ TWA Respirable fraction
		ACGIH TLV	1 mg/m ³ TWA Total Dust & Respirable fraction
		NIOSH REL	10 mg/m ³ TWA Total Dust & Respirable fraction
Cured Polyurethane	Mixture		No Information Available
Silica, Vitreous	60676-86-0	OSHA PEL	80 mg/m ³ /% SiO ₂ TWA
		ACGIH TLV	No Information Available
		NIOSH REL	6 mg/m ³ TWA

Source: https://www.osha.gov/dts/chemicalsampling/toc/toc_chemsamp.html

8(b) Appropriate engineering controls	Appropriate eyewash stations, Appropriate ventilation systems.
8 (c) Individual protection measures	
Eye/ Face protection	Wear safety glasses as required or as appropriate.
Skin/ Body protection	Wear protective gloves as required or as appropriate.
Respiratory protection	Use suitable respiratory protective device in case of insufficient ventilation or when high concentrations are present.
General and Hygienic	Usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Do not inhale dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9 (a)	Appearance	Solid, formed material	Color	Various colors
	Odor	Odorless	Density (g/cm³) at 20°C	Not available
	Melting Point (°C) / Freezing Point (°C)	Not available	Boiling Point/ Boiling Range (°C)	Not available
	Solubility (Water)	Insoluble	Oxidizing Properties	Not available

SECTION 10: STABILITY AND REACTIVITY

10 (a) Reactivity	No further relevant information available.
10 (b) Chemical stability	Stable under recommended storage conditions.
10 (c) Possibility of hazardous reactions	Reacts with strong acids and alkali. Reacts with strong oxidizing agents. As the product is supplied it is not capable of dust explosion.
10 (d) Conditions To Avoid	No further relevant information available.
10 (e) Incompatible Materials	No further relevant information available.
10 (f) Hazardous decomposition products	No decomposition if used according to specifications.

SECTION 11: TOXICOLOGICAL INFORMATION

11 (a) Information on likely routes of exposure	
Eye/ Face	Slight irritant effect on eyes.
Skin/ Body	Slight irritant effect on skin and mucous membranes.
Respiratory/Inhalation	Slight irritant effect if inhaled, causing symptoms of coughing and/or shortness of breath.
11 (b) Symptoms related to the physical, chemical and toxicological characteristics	No information available.
11 (c) Delayed and immediate effects and also chronic effects from short term & long term exposure	
Sensitization	No sensitizing effects known.
CMR Effects (carcinogenicity, mutagenicity, and toxicity for reproduction)	No information available.
Additional toxicological information	No information available.
11 (d) Numerical measures of toxicity	No information available.

SECTION 12: ECOLOGICAL INFORMATION

12 (a) Ecotoxicity (Aquatic and terrestrial, where available)	No further relevant information available.
12 (b) Persistence and degradability	No further relevant information available.
12 (c) Bio-accumulative potential	No further relevant information available.
12 (d) Mobility in soil	No further relevant information available.
12 (e) Other adverse effects	No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13 (a) Waste disposal recommendations	Smaller quantities can be disposed of with household waste. Contact waste processors for recycling information. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state, federal and country laws and regulations regarding treatment, storage, and disposal for hazardous and nonhazardous wastes.
13 (b) Contaminated packaging disposal recommendations	Packaging may be reused or recycled after cleaning. Dispose of in accordance with official local, state, federal and country regulations.

SECTION 14: TRANSPORT INFORMATION

	Land Transport (ADR/RID)	Land Transport (Within USA)	Sea Transport (IMDG)	Air Transport (ICAO/ IATA)
14 (a) UN number	None			
14 (b) UN proper shipping name	Not classified as dangerous to transport			
14 (c) Transport hazard class(es)	None			
14 (d) Packing group	None			
14 (e) Environmental hazard(s)	None			
14 (f) Transport in bulk	According to Annex II of MARPOL73/78 and the IBC Code			
14 (g) Special precautions	Consult with transport provider		Consult with transport provider	Consult with transport provider
	Check relevant regulations for Special Provisions	Check relevant regulations for Special Provisions		Check relevant regulations for Special Provisions
		ORM-D may be applicable within the USA for package sizes less than 30kg		

SECTION 15: REGULATORY INFORMATION

15(a) Safety, health and environmental regulations

	Chemical Identity	CAS No.	USA SARA	USA TSCA	USA Prop65	WHO IARC	Canada DSL	Germany MAK
	Aluminum Oxide	1344-28-1	313 Listed	-	-	-	Listed	Listed
	Silica, Vitreous	60676-86-0	-	-	-	-	Listed	-
Sources:								
	United States SARA Title III	SARA Title III, Section 313 Toxic Release Inventory (TRI) (Toxic chemicals listed in 40 CFR Part 372.65 Chemicals & chemical Categories...) SARA Title III list of lists (https://www.epa.gov/epcra/consolidated-list-lists)						
	United States TSCA Section 12(b) Export Notification Requirements	Chemicals Subject to Toxic Substance Control Act (TSCA) Section 12(b) Export Notification Requirements (https://www.epa.gov/tsca-import-export-requirements/chemicals-subject-tsca-section-12b-export-notification-requirements)						
	United States California Proposal 65	Chemicals known to the State of California to cause cancer: (http://oehha.ca.gov/proposition-65/proposition-65-list)						
	WHO IARC Carcinogenic Categories	IARC (International Agency for Research on Cancer) (http://monographs.iarc.fr/ENG/Classification/latest_classif.php)						
	Canada DSL	Canadian Domestic Substances List (DSL) (http://www.ec.gc.ca/lcpe-cepa/eng/substance/chemicals_polymers.cfm)						
	Germany MAK Chapter III Carcinogenic Substances	German Maximum Workplace Concentration List of MAK and BAT Values 2016, Chapter III Carcinogenic Substances (http://www.dfg.de/en/dfg_profile/statutory_bodies/senate/health_hazards/structure/working_groups/derivation_mak/index.html)						

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists
ADR	Agreement on Dangerous goods by Road
CAS	Chemical Abstract Service (division of the American Chemical Society)
CFR	Code of Federal Regulations
DOT	US Department of Transportation
DSL	Domestic Substances List (Canada)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EPA	Environmental Protection Agency
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
HMIS	Hazardous Materials Identification System (USA)
IARC	International Agency for Research on Cancer of World Health Organization
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
MAK	Maximale Arbeitsplatzkonzentration, 'Maximum Workplace Concentration' (Germany)
NDSL	Non Domestic Substances List (Canada)
NFPA	National Fire Protection Association (USA)
NIOSH	National Institute for Occupational Safety and Health (USA)
ORM-D	Other Regulated Materials - Domestic
OSHA	Occupational Safety and Health Administration
PEL	OSHA Permissible Exposure Limit typically based on General Industry and 8-hour TWA
RCRA	Resource and Conservation Recovery Act
REL	NIOSH Recommended Exposure Limit typically based on 8-hour TWA
RID	Regulations concerning the International transport of Dangerous goods by rail
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short Term Exposure Limit
TLV	ACGIH Threshold Limit Values refer to airborne concentrations of chemicals
TSCA	EPA Toxic Substance Control Act
TWA	Time-Weighted Average
WHMIS	Workplace Hazardous Materials Information System (Canada)
WHO	World Health Organization (International)

General Disclaimer:

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

Prepared by: Taber Industries

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End of Safety Data Sheet