

RAG200 Restor-A-Gel Aluminum Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identifica	ation				
1.1. Identification					
Product form	: Mixture				
Product name	: RAG200 Restor-A-Gel Aluminum				
Product code	: RAG200				
	ise and restrictions on use				
Use of the substance/mixture	e : Laboratory chemical				
1.3. Supplier SIRCHIE 100 Hunter Place Youngsville, NC 27596 - USA T 919-554-2244; 800-356-7311 - F 919-554-2266; 800-899-8181 http://www.sirchie.com 600-899-8181					
1.4. Emergency telepl	hone number				
Emergency number	: 1.800.424.9300 (USA) +1-703-527-3887 (INTL) CHEMTREC: 1.800.424.9300				
SECTION 2: Hazard(s	s) identification				
2.1. Classification of	the substance or mixture				
GHS US classification					
Skin corrosion/irritation	H315 Causes skin irritation				
Category 2					
Serious eye damage/eye irritation Category 2	H319 Causes serious eye irritation				
Full text of H statements : se	ee section 16				
2.2. GHS Label eleme	ante including procautionary statements				
GHS US labeling	and, monumy precautionary statements				
GHS US labeling					
GHS US labeling Hazard pictograms (GHS US	S) : Warning S) : H315 - Causes skin irritation				
GHS US labeling Hazard pictograms (GHS US Signal word (GHS US)	S) : Warning : Warning S) : H315 - Causes skin irritation H319 - Causes serious eye irritation				
GHS US labeling Hazard pictograms (GHS US Signal word (GHS US) Hazard statements (GHS US Precautionary statements (G	 S) : Warning S) : Warning S) : H315 - Causes skin irritation H319 - Causes serious eye irritation SHS US) : P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. 				
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GHS US labeling Hazard pictograms (GHS US) Signal word (GHS US) Hazard statements (GHS US) Precautionary statements (GHS US) Precautionary statements (GHS US) No additional information available SECTION 3: Compositional 3.1. Substances	 S) : Warning S) : H315 - Causes skin irritation H319 - Causes serious eye irritation S) : H315 - Causes serious eye irritation SHS US) : P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. 				

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Name		Product identifier	%	GHS US classification
AQUA		(CAS-No.) 7732-18-5	< 98	Not classified
silicon dioxide, amorphou	3	(CAS-No.) 7631-86-9	<= 2	Not classified
nydrochloric acid (CAS-No.) 7647-01-0 1.1 Skin Corr. 1A, H314				
Full text of hazard class	es and H-statements : see sect	ion 16		
SECTION 4: First-	aid measures			
	f first aid measures			
No additional information	n available			
4.2. Most importa	nt symptoms and effects (ac	ute and delaved)		
No additional information				
4.3. Immediate m	edical attention and special t	reatment, if necessary		
No additional information				
SECTION 5: Fire-fi	abting measures			
	unsuitable) extinguishing m	odia		
No additional information	, , ,	Guid		
	rds arising from the chemica			
Reactivity		data available.		
5.3. Special prote No additional information	ctive equipment and precaut	ions for fire-fighters		
	ental release measures			
	cautions, protective equipme	nt and emergency procedui	es	
	rgency personnel			
No additional information				
-	cy responders			
No additional information				
	al precautions			
No additional information	n available			
	material for containment and	d cleaning up		
No additional information	n available			
	other sections			
No additional information				
SECTION 7: Hand	ing and storage			
	or safe handling			
No additional information	n available			
7.2. Conditions for	or safe storage, including any	incompatibilities		
No additional information	n available			
SECTION 8. Expo	sure controls/personal	protection		
3.1. Control parar				
· · ·				
silicon dioxide, amor Not applicable	pnous (7631-86-9)			
AQUA (7732-18-5)				
Not applicable				
	47-01-0)			
hydrochloric acid (76			2.98 ma/m	3
hydrochloric acid (76 ACGIH	ACGIH TWA (mg/m ³)		2.98 mg/m	3
hydrochloric acid (76			2.98 mg/m 2 ppm 7 mg/m ³	3

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hydrochloric acid (7647-01-0)		
OSHA	OSHA PEL (TWA) (ppm)	5 ppm
IDLH	US IDLH (ppm)	50 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	7 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	5 ppm

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gas mask. Gloves. Safety glasses.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical	properties	
9.1. Information on basic physical and	chemical properties	
Physical state	: Liquid	
Appearance	: Clear, colorless liquid.	
Color	: Colorless	
Odor	: Irritating/pungent odour	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: No data available	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Solubility	: Insoluble in water.	
Log Pow	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosion limits	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
9.2. Other information		
No additional information available		
SECTION 10: Stability and reactivity		
10.1. Reactivity		
No data available		

No data available.

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10.2. Chemical stabilit	у	
Stable under recommended handling and storage conditions (see section 7).		
10.3. Possibility of haz	ardous reactions	
Not established.		
10.4. Conditions to av	bid	
Extremely high or low temperatures.		
10.5. Incompatible ma	terials	
metals. Strong acids. Strong bases.		

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity (oral)	: Not classified		
Acute toxicity (dermal)	: Not classified		
Acute toxicity (inhalation)	: Not classified		
silicon dioxide, amorphous (7631-86-9)			
LD50 oral rat	> 10000 mg/kg (Rat, Oral)		
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	: Causes serious eye irritation.		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
STOT-single exposure	: Not classified		
STOT-single exposure			
STOT-repeated exposure	: Not classified		
Aspiration hazard	: Not classified		
Viscosity, kinematic	: No data available		

SECTION 12: Ecological information

12.1. Toxicity

silicon dioxide, amorphous (7631-86-9)		
LC50 fish 1	> 10000 mg/l (96 h, Brachydanio rerio, Literature)	
EC50 Daphnia 1	> 10000 mg/l (24 h, Daphnia magna, Literature)	

12.2. Persistence and degradability

silicon dioxide, amorphous (7631-86-9)		
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
hydrochloric acid (7647-01-0)		
Persistence and degradability	Biodegradability: not applicable.	
12.3. Bioaccumulative potential		
silicon dioxide, amorphous (7631-86-9)		
Bioaccumulative potential	Not bioaccumulative.	

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hydrochloric acid (7647-01-0)		
Bioaccumulative potential	Does not contain bioaccumulative component(s).	
12.4. Mobility in soil		
silicon dioxide, amorphous (7631-86-9)		
Ecology - soil	No (test)data on mobility of the substance available.	
hydrochloric acid (7647-01-0)		
Ecology - soil	No (test)data on mobility of the components available. May be harmful to plant growth, blooming and fruit formation.	

12.5. Other adverse effects

No additional information available

13.1. Disposal methods	
No additional information available	
SECTION 14: Transport information	ation
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: UN1624 Mercuric chloride (TOXIC), 6.1, II
UN-No.(DOT)	: UN1624
Proper Shipping Name (DOT)	: Mercuric chloride
	TOXIC
Class (DOT)	: 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132
Packing group (DOT)	: II - Medium Danger
Hazard labels (DOT)	: 6.1 - Poison



Other information

: No supplementary information available.

Transportation of Dangerous Goods

Transport by sea

Air transport

Transport document description (IATA) UN-No. (IATA)	: UN UN1624 Mercuric chloride, 6.1, II, ENVIRONMENTALLY HAZARDOUS : UN1624
Proper Shipping Name (IATA)	: Mercuric chloride
Class (IATA)	: 6.1 - Toxic Substances
Packing group (IATA)	: II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

RAG200 Restor-A-Gel Aluminum Subject to reporting requirements of United States SARA Section 313

03/19/2020

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15.2. International regulations

CANADA

No additional information available

EU-Regulations RAG200 Restor-A-Gel Aluminum Listed on ELINCS (European List of Notified Chemical Substances)

National regulations

No additional information available

15.3. US State regulations	
RAG200 Restor-A-Gel Aluminum	
U.S California - Proposition 65 - Carcinogens List	No
U.S California - Proposition 65 - Developmental Toxicity	Yes
U.S California - Proposition 65 - Reproductive Toxicity - Female	No
U.S California - Proposition 65 - Reproductive Toxicity - Male	No

SECTION 16: Other information

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Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: This Safety Data Sheet has been established in accordance with the applicable European Union legislation.

Full text of H-phrases:

H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
NFPA health ha	zard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.
NFPA fire haza	d : 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity	: 2 - Materials that readily undergo violent chemical change at elevated temperatures and pressures.
Hazard Rating	$\mathbf{\hat{v}}$
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 2 Moderate Hazard - Materials that are unstable and may undergo violent chemical changes a normal temperature and pressure with low risk for explosion. Materials may react violently with water or form peroxides upon exposure to air.
Personal protect	ion : G
	G - Safety glasses, Gloves, Vapor respirator

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SDS US (GHS HazCom 2012)

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.