

SDI (North America) Inc.

Version No: 7.1

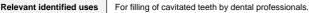
Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Issue Date: **10/03/2023** Print Date: **22/11/2023** L.GHS.USA.EN

SECTION 1 Identification

Product Identifier		
Product name	Riva Self Cure HV	
Chemical Name	Not Applicable	
Synonyms	Not Available	
Chemical formula	Not Applicable	
Other means of identification	Not Available	

Recommended use of the chemical and restrictions on use



Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	SDI (North America) Inc.	SDI Limited	SDI Germany GmbH
Address	1279 Hamilton Parkway Itasca IL 60143 United States	3-15 Brunsdon Street Bayswater VIC 3153 Australia	Hansestrasse 85 Cologne D-51149 Germany
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Registered company name SDI HOLDINGS PTY LTD DO			
Address	Rua Dr. Reinaldo Schmithausen 3141 – Cordeiros Itajaí – SC – CEP 88310-004 Brazil		
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Fax	Not Available		
Website	http://www.sdi.com.au/		
Email	Brasil@sdi.com.au		

Emergency phone number

Association / Organisation	SDI Limited	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone numbers	131126 Poisons Information Centre	+1 855-237-5573
Other emergency telephone numbers	+61 3 8727 7111	+61 3 9573 3188

Once connected and if the message is not in your preferred language then please dial 01

Una vez conectado y si el mensaje no está en su idioma preferido, por favor marque 02

SECTION 2 Hazard(s) identification

Classification of the substance or mixture





Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)

Classification

Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A, Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3

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Riva Self Cure HV

Hazard pictogram(s)	
Signal word	Warning

Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Hazard(s) not otherwise classified

Not Applicable

Precautionary statement(s) Prevention

P271	Use only outdoors or in a well-ventilated area.	
P261 Avoid breathing mist/vapours/spray.		
P280 Wear protective gloves, protective clothing, eye protection and face protection.		
P264 Wash all exposed external body areas thoroughly after handling.		

Precautionary statement(s) Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.	
If eye irritation persists: Get medical advice/attention.	
IF ON SKIN: Wash with plenty of water.	
IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
2+P313 If skin irritation occurs: Get medical advice/attention.	
Take off contaminated clothing and wash it before reuse.	

Precautionary statement(s) Storage

P405	Store locked up.	
P403+P233 Store in a well-ventilated place. Keep container tightly closed.		

Precautionary statement(s) Disposal

Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / information on ingredients

P501

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
Not Available		Compartment 1 contains
9003-01-4	20-30	acrylic acid homopolymer.
87-69-4	10-15	tartaric acid
Not Available		Compartment 2 contains
Not Available	90-95	fluoro aluminosilicate glass
9003-01-4	5-10	acrylic acid homopolymer

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First-aid measures

Description of first aid measures

Eye Contact	 If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. 	
Skin Contact	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). 	

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	Seek medical attention in event of irritation.	
Inhalation	 If fumes or combustion products are inhaled remove from contaminated area. Seek medical attention. 	
Ingestion	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. Seek medical attention. 	

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Fire-fighting measures

Extinguishing media

Foam is generally ineffective.

Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

Special protective equipment and precautions for fire-fighters

-		
	Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water courses. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
 Fire/Explosion Hazard Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke. Mists containing combustible materials may be explosive. Combustion products include: carbon dioxide (CO2) other pyrolysis products typical of burning organic material. May emit poisonous fumes. 		 Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke. Mists containing combustible materials may be explosive. Combustion products include: carbon dioxide (CO2) other pyrolysis products typical of burning organic material.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	 Clean up all spills immediately. Avoid contact with skin and eyes. Wear impervious gloves and safety goggles. Trowel up/scrape up. Place spilled material in clean, dry, sealed container. Flush spill area with water. 	
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Neutralise/decontaminate residue (see Section 13 for specific agent). Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using. If contamination of drains or waterways occurs, advise emergency services. 	

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions for safe handling	
Safe handling	Avoid all personal contact, including inhalation.

Other information	Do not store in direct sunlight. Store in a dry and well ventilated-area, away from heat and sunlight. Store between 5 and 25 deg. C.
	 Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. DO NOT allow material to contact humans, exposed food or food utensils. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

Conditions for safe storage, including any incompatibilities

Suitable container	 DO NOT repack. Use containers supplied by manufacturer only. Check that containers are clearly labelled and free from leaks
Storage incompatibility	None known

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Not Available

Emergency Limits

Ingredient	TEEL-1	TEEL-2		TEEL-3
tartaric acid	1.6 mg/m3	17 mg/m3		100 mg/m3
Ingredient	Original IDLH		Revised IDLH	
acrylic acid homopolymer	Not Available		Not Available	
tartaric acid	Not Available		Not Available	
acrylic acid homopolymer	Not Available		Not Available	

Occupational Exposure Banding

Ingredient	Occupational Exposure Band Rating	Occupational Exposure Band Limit
acrylic acid homopolymer	E	≤ 0.01 mg/m³
tartaric acid	E	≤ 0.01 mg/m³
acrylic acid homopolymer	E	≤ 0.01 mg/m³
Notes:	Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.	

MATERIAL DATA

Exposure controls

Appropriate engineering	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances. If risk of overexposure exists, wear approved respirator. Supplied-air type respirator may be required in special circumstances. Correct fit is essential to ensure adequate protection. Provide adequate ventilation in warehouses and enclosed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.		
controls	Type of Contaminant:	Air Speed:	
	solvent, vapours, degreasing etc., evaporating from tank (in still air).	0.25-0.5 m/s (50-100 f/min)	
	aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)	0.5-1 m/s (100-200 f/min.)	
	direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)	
	grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion)	2.5-10 m/s (500-2000 f/min.)	

	Lower end of the range	Upper end of the range	
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents	
	2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity	
	3: Intermittent, low production.	3: High production, heavy use	
	4: Large hood or large air mass in motion	4: Small hood-local control only	
	with the square of distance from the extraction point (in simpl accordingly, after reference to distance from the contaminatin 1-2 m/s (200-400 f/min) for extraction of solvents generated in	e away from the opening of a simple extraction pipe. Velocity generally decreases e cases). Therefore the air speed at the extraction point should be adjusted, g source. The air velocity at the extraction fan, for example, should be a minimum of n a tank 2 meters distant from the extraction point. Other mechanical considerations, s, make it essential that theoretical air velocities are multiplied by factors of 10 or	
Individual protection measures, such as personal protective equipment			
Eye and face protection	 Safety glasses with side shields. Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent] Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59]. 		
Skin protection	See Hand protection below		
Hands/feet protection	 Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber Rubber Gloves 		
Body protection	See Other protection below		
Other protection	 Overalls. P.V.C apron. Barrier cream. Skin cleansing cream. Eye wash unit. 		

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Smooth, pale-coloured paste with slightly characteristic odour, partially mixes with water.		
Physical state	Non Slump Paste	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Partly miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7

Hazardous decomposition products

SECTION 11 Toxicological information

See section 5

Information on toxicological effects

Inhaled	Evidence shows, or practical experience predicts, that the material produces irritation of the respiratory system, in a substantial number of individuals, following inhalation. In contrast to most organs, the lung is able to respond to a chemical insult by first removing or neutralising the irritant and then repairing the damage. The repair process, which initially evolved to protect mammalian lungs from foreign matter and antigens, may however, produce further lung damage resulting in the impairment of gas exchange, the primary function of the lungs. Respiratory tract irritation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system.		
Ingestion	Accidental ingestion of the material may be damaging to the	health of the individual.	
Skin Contact	Evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. Skin irritation may also be present after prolonged or repeated exposure; this may result in a form of contact dermatitis (nonallergic). The dermatitis is often characterised by skin redness (erythema) and swelling (oedema) which may progress to blistering (vesiculation), scaling and thickening of the epidermis. At the microscopic level there may be intercellular oedema of the spongy layer of the skin (spongiosis) and intracellular oedema of the epidermis. The material may accentuate any pre-existing dermatitis condition Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.		
Eye	Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Repeated or prolonged eye contact may cause inflammation characterised by temporary redness (similar to windburn) of the conjunctiva (conjunctivitis); temporary impairment of vision and/or other transient eye damage/ulceration may occur.		
Chronic		ease of the airways involving difficult breathing and related systemic problems. bational exposure may produce cumulative health effects involving organs or	
	ΤΟΧΙΟΙΤΥ	IRRITATION	
Riva Self Cure HV	Not Available	Not Available	
	тохісіту	IRRITATION	
	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Eye: adverse effect observed (irreversible damage) ^[1]	
acrylic acid homopolymer	Inhalation(Rat) LC50: >5.1 mg/l4h ^[1]	Skin: no adverse effect observed (not irritating) ^[1]	
	Oral (Rat) LD50: 146-468 mg/kg ^[1]		
	ΤΟΧΙΟΙΤΥ	IRRITATION	
tartaric acid	dermal (rat) LD50: >2000 mg/kg ^[1]	Not Available	
	Oral (Rat) LD50: >=2000<=5000 mg/kg ^[1]		
	ΤΟΧΙΟΙΤΥ	IRRITATION	
	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Eye: adverse effect observed (irreversible damage) ^[1]	
acrylic acid homopolymer	Inhalation(Rat) LC50: >5.1 mg/l4h ^[1]	Skin: no adverse effect observed (not irritating) ^[1]	

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

Oral (Rat) LD50: 146-468 mg/kg^[1]

TARTARIC ACID	Convulsions, haemorrhage recorded. for simple alpha-hydroxy carboxylic acids and their salts: The US Food and Drug Administration (FDA) received a total of 114 adverse dermatologic experience reports for alpha-hydroxy acids (AHA)- containing skin care products between 1992 and February 2004, with the maximum number in 1994. The reported adverse experiences included burning (45), dermatitis or rash (35), swelling (29), pigmentary changes (15), blisters or welts (14), skin peeling (13), itching (12), irritation or tenderness (8), chemical burns (6), and increased sunburn (3). The frequency of such reports for skin exfoliating products that contain AHAs has been considerably lower in subsequent years. The more serious adverse reactions appear to occur most often with products that cause the greatest degree of exfoliation, such as "skin peelers." Various studies confirmed previous industry studies indicating that applying AHAs to the skin results in increased UV sensitivity. After four weeks of AHA application, volunteers' sensitivity to skin reddening produced by UV increased by 18 percent. Similarly, the volunteers' sensitivity to UV-induced cellular damage doubled, on average, with considerable differences among individuals. Topical glycolic acid enhances photodamage by ultraviolet light. However, the studies also indicated that this increase in sensitivity is reversible and does not last long after discontinuing use of the AHA cream. One week after the treatments were halted, researchers found no significant differences in UV sensitivity among the various skin sites. Most AHAs are physiologic, natural, and non-toxic substances. All members of the group promote normal keratinization and desquamation. Those with multiple hydroxyl groups are moisturizing antioxidants, and are especially gentle for sensitive skin. The studies did not identify exactly how AHAs bring about the increased UV sensitivity, although the effects did not appear to involve dramatic increases in UV-induced damage to DNA in the skin. Previous

	Experimental data available for members of the simpl developmental toxicity. The simple alpha hydroxy carboxylic acids are eye an Genotoxicity test data for two cluster members and a and all other cluster members are considered to have Acute oral toxicity of propanoic acid, 2-hydroxy- (2S)- developmental toxicity of the three tested simple alphi toxicity testing for propanoic acid, 2-hydroxy- (50-21-5 metabolism. Reproductive toxicity of acetic acid, 2-hyd associated potassium salts is also expected to be low propanoic acid, 2-hydroxy- (2S)- (79-33-4) and propari of this cluster are not expected to be skin sensitisers I propanoic acid, 2-hydroxy- (2S)- (79-33-4). Genotoxic negative, indicating that none of the cluster members acid, 2-hydroxy- (50-21-5) in rats showed no evidence relationship considerations indicate little or no carcino and lack of genotoxic structural alert. This judgment is hydroxy- (50-21-5), which is considered a reasonable Some products containing alpha-hydroxy acids (AHA& discolorations. Among these are some products mark acids and are designed to remove the outer layer of th	nd skin irritants but are not expected to cancer bioassay for the calcium salt oo little or no mutagenic or carcinogenic (79-33-4) and propanoic acid, 2-hydro a -hydroxy carboxylic acids is low. In F 5) was deemed unnecessary because droxy- (79-14-1) has been tested and <i>r</i> . Alpha-hydroxy carboxylic acids are s noic acid, 2-hydroxy- (50-21-5) all pro- based on negative results in guinea pi bity data for acetic acid, 2-hydroxy-(79 are expected to be genotoxic. A 2-yea e of carcinogenicity. An expert judgme genic potential for any of the cluster n s supported by the negative cancer an analogue to the rest of the cluster. s) have been marketed for uses such teted as "skin peelers," which may cor	b be skin sensitisers. f propanoic acid, 2-hydroxy- yielded negative results potential. xoy- (50-21-5) are low. The repeated-dose and EPA s High Production Volume Program, reproductive it is a normal component of human intermediary was found to be low. Low reproductive toxicity of the severe eye irritants. Acetic acid, 2-hydroxy- (79-14-1), duced positive skin irritation in rabbits. The members gs for both acetic acid, 2-hydroxy- (79-14-1) and e14-1) and propanoic acid, 2-hydroxy- (50-21-5) are ar drinking water study of the calcium salt of propanoic nt based on mechanism-based structure-activity nembers due to expected rapid metabolism/excretion d mutagenicity data for propanoic acid, 2- as treating acne, removing scars, and lightening
ACRYLIC ACID HOMOPOLYMER & TARTARIC ACID	Asthma-like symptoms may continue for months or ex known as reactive airways dysfunction syndrome (RA criteria for diagnosing RADS include the absence of p asthma-like symptoms within minutes to hours of a do airflow pattern on lung function tests, moderate to seve lymphocytic inflammation, without eosinophilia. RADS the concentration of and duration of exposure to the in result of exposure due to high concentrations of irritat disorder is characterized by difficulty breathing, cough	ven years after exposure to the materi LDS) which can occur after exposure to previous airways disease in a non-atop ocumented exposure to the irritant. Other vere bronchial hyperreactivity on meth- S (or asthma) following an irritating inhal ritating substance. On the other hand ing substance (often particles) and is	b high levels of highly irritating compound. Main bic individual, with sudden onset of persistent ner criteria for diagnosis of RADS include a reversible acholine challenge testing, and the lack of minimal alation is an infrequent disorder with rates related to , industrial bronchitis is a disorder that occurs as a
ACRYLIC ACID HOMOPOLYMER	or reprotoxicity in the rat. Based upon the available da to humans The Cosmetic Ingredient Review (CIR) Expert Panel n pass through the stratum corneum of the skin, so sign expected to result in systemic or reproductive and dev The Panel noted that cosmetic products containing th membranes. Thus, crosslinked alkyl acrylates could b lips, and other mucous membranes, and through inges intact mucous membranes is likely to be not significar nature of the polymers precludes degradation to smal Absorption of the polymers and their residual monom on the relatively small fractions of the applied product The Carbomers (Carbopols) are synthetic, high molec The Carbomers (Carbopols) are synthetic, high molec The Carbomers (Oarbopols) are synthetic, high molec The Carbomers of the advect with Carbomers-910 and -934. S normal body weights, but no pathological changes we marked pigment deposition within Kupffer cells of the skin irritation and sensitization at concentrations up to allergenicity. On the basis of the available information cosmetic. Ingredients. Little toxicity data is available for acrylic crosspolymer are not very toxic. The little genotoxicity data that wer the published literature for the polymers, but data wer In an alternative method study, acrylates/vinyl neodec no to slight irritation with undiluted and weak sensitizar crosspolymer at 30% in olive oil, and no irritation or sø human testing with undiluted arcylates/C10-30 alkyl a crosspolymer, up to 2.5% aq. acrylates/vinyl isodecan	rat (LD50 > 5 g/kg bw/d) and are not in ortential. 21-d/rat) was a mild, reversible pulmor re respirable dust, which caused local of PAA using a variety of genetic endp ata, it is considered that exposure to p noted that these crosslinked alkyl acry ificant dermal absorption is not expectively velopmental toxicity or to have genoto ese ingredients are reportedly used an the absorbed systemically through the r stion when applied to the lips. However ht, primarily because of the relatively la ler absorbable species. ers in cosmetic products also would bu is that might be inadvertently ingested zular weight, nonlinear polymers of acr mulsifying agents at concentrations up v toxicities when ingested. Rabbits sho Subchronic feeding of rats and dogs w ere observed. Dogs chronically fed Ca liver. Clinical studies with Carbomers to 100%. Carbomer-934 demonstrated presented and as qualified in the repor- rs; the acute dermal and oral toxicity d te available reported negative results i re available rospolymer, acrylates cross crylate crosspolymer, acrylates cross crylate crosspolymer, acrylates cross not likely ocular irritants. In studies ur kyl acrylate crosspolymer. that acrylates/vinyl isodecanoate cross not likely ocular irritants. In studies us , and it was considered a borderline ir r-2 did not appear to be ocular irritants t may be present in acrylates/ C10-30 ing associated with a 10exp 6 cancer as Used in Cosmetics. Nov 2011 liccomm/attachmentcir_508.pdf	hary irritation. This effect is considered as not and not systemic lung effects. wints in-vitro and in-vivo,nor for developmental toxicity olycarboxylates does not imply any particular hazard lates are macromolecules that are not expected to ted. Therefore, topically applied cosmetics are not xic or carcinogenic effects upon use. round the eyes, on the lips, and on other mucous relatively moist,n stratum cornea of the conjunctiva, er, the Panel noted that any absorption through healthy rge molecular sizes. Furthermore, the chemically inert e limited after application to the lips or eye area based or make direct contact with the conjunctiva. rylic acid, cross-linked with a polyalkenyl polyether. to 50%. Acute oral animal studies showed that owed minimal skin irritation and zero to moderate eye tith Carbomer-934 in the diet resulted in lower than rbomer-934P manifested gastrointestinal irritation and showed that these polymers have low potential for low potential for phototoxicity and photo-contact ort, it is concluded that the Carbomers are safe as at that were found indicated that these ingredients in Ames tests. Carcinogenicity data were not found in to be a non-irritant. The non-human studies reported (yl acrylate crosspolymer, no irritation with acrylates aspolymer, and acrylates/ethylhexyl acrylate if formulations containing 2% acrylate/vinyl ycol dimethacrylate crosspolymers do not indicate any ing an intensified Shelanski human repeated insult spolymer and a formulation containing 1% lauryl ing rabbits, undiluted acrylates/C10-30 alkyl acrylate ritant in unrinsed rabbit eyes. Acrylates crosspolymer, in rabbit eyes. Two different risk assessments alkyl acrylates crosspolymer resulted in different
Acute Toxicity	×	Carcinogenicity	×
Houte Texiony			
Skin Irritation/Corrosion	×	Reproductivity	×

Respiratory or Skin sensitisation	×	STOT - Re	peated Exposure	×
Mutagenicity	×	A	spiration Hazard	×
		Legend: X − Data either not available or does not fill the criteria for classification ↓ − Data available to make classification		

SECTION 12 Ecological information

Toxicity

	Endpoint	Test Duration (hr)	Species	Value	Sourc
Riva Self Cure HV	Not Available	Not Available Not Available		Not Available	Not Availa
	Endpoint	Test Duration (hr)	Species	Value	Sour
	EC50	72h	Algae or other aquatic plants	Igae or other aquatic plants 0.13-0.205mg/l	
acrylic acid homopolymer	EC50	48h	Crustacea	47mg/l	2
	EC10(ECx)	72h	Algae or other aquatic plants	0.03-0.031mg/	2
	LC50	96h	Fish	27mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Sour
	EC50	72h	Algae or other aquatic plants	51.404mg/	2
	EC50	48h	Crustacea	93.313mg/l	
tartaric acid	EC50	96h	Algae or other aquatic plants	23616mg/L	. 2
	NOEC(ECx)	72h	Algae or other aquatic plants	3.125mg/l	2
	LC50	96h	Fish	>100mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Sour
	EC50	72h	Algae or other aquatic plants	0.13-0.205mg/	2
acrylic acid homopolymer	EC50	48h	Crustacea	47mg/l	
	EC10(ECx)	72h	Algae or other aquatic plants	0.03-0.031mg/	2
	LC50	96h	Fish	27mg/l	2
Legend:	Extracted from Ecotox databas	1. IUCLID Toxicity Data 2. Europe E	Fish CHA Registered Substances - Ecotoxicological In C Aquatic Hazard Assessment Data 6. NITE (Japa	formation - Aquatic Toxicity 4	US

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
acrylic acid homopolymer	LOW	LOW
tartaric acid	LOW	LOW
acrylic acid homopolymer	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
acrylic acid homopolymer	LOW (LogKOW = 0.4415)
tartaric acid	LOW (LogKOW = -1.0017)
acrylic acid homopolymer	LOW (LogKOW = 0.4415)

Mobility in soil

Ingredient	Mobility
acrylic acid homopolymer	HIGH (KOC = 1.201)
tartaric acid	HIGH (KOC = 1)
acrylic acid homopolymer	HIGH (KOC = 1.201)

SECTION 13 Disposal considerations

Waste treatment methods	
Product / Packaging disposal	 DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill.

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SECTION 14 Transport information

Labels Required		
Marine Pollutant	NO	
	GULATED FOR TRANSPORT OF DANGEROUS GOODS R): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS	

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
acrylic acid homopolymer	Not Available
tartaric acid	Not Available
acrylic acid homopolymer	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
acrylic acid homopolymer	Not Available
tartaric acid	Not Available
acrylic acid homopolymer	Not Available

SECTION 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

acrylic acid homopolymer is found on the following regulatory lists

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

tartaric acid is found on the following regulatory lists

US DOE Temporary Emergency Exposure Limits (TEELs)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

acrylic acid homopolymer is found on the following regulatory lists

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

Additional Regulatory Information

Not Applicable

Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 hazard categories

Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	Yes
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	No

No

Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)

None Reported

State Regulations

US. California Proposition 65

None Reported

National Inventory Status

National Inventory	Status		
Australia - AIIC / Australia Non-Industrial Use	Yes		
Canada - DSL	Yes		
Canada - NDSL	No (acrylic acid homopolymer; tartaric acid; acrylic acid homopolymer)		
China - IECSC	Yes		
Europe - EINEC / ELINCS / NLP	No (acrylic acid homopolymer; acrylic acid homopolymer)		
Japan - ENCS	Yes		
Korea - KECI	Yes		
New Zealand - NZIoC	Yes		
Philippines - PICCS	Yes		
USA - TSCA	Yes		
Taiwan - TCSI	Yes		
Mexico - INSQ	Yes		
Vietnam - NCI	Yes		
Russia - FBEPH	Yes		
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.		

SECTION 16 Other information

Revision Date	10/03/2023
Initial Date	15/12/2015

SDS Version Summarv

Version	Date of Update	Sections Updated
6.1	23/12/2022	Classification review due to GHS Revision change.
7.1	10/03/2023	Classification change due to full database hazard calculation/update.

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by SDI Limited using available literature references

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

- PC TWA: Permissible Concentration-Time Weighted Average
- PC STEL: Permissible Concentration-Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- ► TEEL: Temporary Emergency Exposure Limit。
- IDLH: Immediately Dangerous to Life or Health Concentrations
- ES: Exposure Standard
- OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level ۶
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value LOD: Limit Of Detection
- OTV: Odour Threshold Value BCF: BioConcentration Factors
- BEI: Biological Exposure Index
- DNEL: Derived No-Effect Level
- PNEC: Predicted no-effect concentration
- AIIC: Australian Inventory of Industrial Chemicals
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List

- IECSC: Inventory of Existing Chemical Substance in China
 EINECS: European INventory of Existing Commercial chemical Substances
- ▶ ELINCS: European List of Notified Chemical Substances
- NLP: No-Longer Polymers
- ENCS: Existing and New Chemical Substances Inventory
- KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals
- ▶ PICCS: Philippine Inventory of Chemicals and Chemical Substances
- ▶ TSCA: Toxic Substances Control Act
- TCSI: Taiwan Chemical Substance Inventory
- INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory
- + FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

The information contained in the Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.

Other information:

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