

SDI Limited

Version No: 4.1.1.1 Safety Data Sheet (Conforms to Regulations (EC) No 2015/830)

DSD classification

Legend:

DPD classification [1]

Issue Date: 18/03/2016 Print Date: 30/03/2016 Initial Date: Not Available L.REACH.GBR.EN

# SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

R36/37/38 Irritating to eyes, respiratory system and skin.

	T		The second of th
Product name	Riva Self Cure HV Capsules		
Synonyms	Not Available		
Other means of identification	Not Available		
.2. Relevant identified u	ses of the substance or mixture and u	ses advised against	
Relevant identified uses	For filling of cavitated teeth by dental profession	nals.	The second of th
Uses advised against	Not Applicable	The state of the s	the second section of the second section is a second section of the second section section is a second section of the second section s
.3. Details of the supplie	r of the safety data sheet		
Registered company name	SDI Limited	SDI Brazil Industria E Comercio Ltda	SDI Germany GmbH
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Registered company name	SDI (North America) Inc.		
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Fax	+1 630 361 9200 (Business hours) Not Available		
Website	Not Available  Not Available		a - San - A Salata a man - man - man
Email	USA.Canada@sdi.com.au		
	USA.Canada@sdi.com.au		to the state of the state of
4. Emergency telephone	number		
Association / Organisation	SDI Limited	Not Available	Not Available
Emergency telephone	+61 3 8727 7111	Not Available	Not Available
numbers		Not Available	Not Available
Other emergency telephone numbers	ray.cahill@sdi.com.au	Teot Available	NOT Available
Other emergency telephone	ray.cahiil@sdi.com.au	The residence	Not Available
Other emergency telephone numbers	L		NOTAVallable

In case of mixtures, classification has been prepared by following DPD (Directive 1999/45/EC) and CLP Regulation (EC) No 1272/2008 regulations

1. Classification by vendor, 2. Classification drawn from EC Directive 67/548/EEC - Annex I; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

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# Riva Self Cure HV Capsules

Classification according to regulation (EC) No 1272/2008 [CLP] <sup>[1]</sup>

Skin Corrosion/Imitation Category 2, Eye Imitation Category 2, Specific target organ toxicity - single exposure Category 3 (respiratory tract imitation)

Legend:

1. Classification by vendor, 2. Classification drawn from EC Directive 67/548/EEC - Annex I; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

#### 2.2. Label elements

CLP label elements



SIGNAL WORD	WARNING	 			
Hazard statement(s)			 	************	
H315	Causes skin imitation.				
H319	Causes serious eye irritation.				
H335	May cause respiratory imitation.				*****

### Supplementary statement(s)

Not Applicable

# Precautionary statement(s) Prevention

P271	Use only outdoors or in a well-ventilated area.
	Avoid breathing dust/furne/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection

### Precautionary statement(s) Response

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.
P337+P313	If eye imitation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
	the control of the co

#### Precautionary statement(s) Storage

Committee of the commit	and the second of the second o			
P405	Store locked up.			
P403+P233	Store in a well-ventilated place. Keep container tightly closed.			
After 1916. The in a new temperature of the enterprise about the contract of t				

#### Precautionary statement(s) Disposal

P501 Dispose of contents/container in accordance with local regulations.

#### 2.3. Other hazards

Ingestion may produce health damage\*.

Cumulative effects may result following exposure\*.

REACh - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1.Substances

See 'Composition on ingredients' in Section 3.2

### 3.2.Mixtures

1.CAS No 2.EC No 3.Index No 4.REACH No	%[weight]	Name	Classification according to directive 67/548/EEC [DSD]	Classification according to regulation (EC) No 1272/2008 [CLP]
	11.1 40. 41	Compartment 1 contains		
1.9003-01-4 2.Not Available 3.Not Available 4.Not Available	20-30	acrylic acid homopolymer	R36/37/38, R51/53 <sup>[1]</sup>	Skin Corrosion/Irritation Category 2, Eye Irritation Category 2, Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation), Chronic Aquatic Hazard Category 2; H315, H319, H335, H411 [1]
1.87-69-4 2.201-766-0 3. Not Available 4.01-2119537204-47-XXXX,	10-15	tartaric acid	R36/37/38 <sup>[1]</sup>	Skin Corrosion/Intitation Category 2, Eye Intitation Category 2, Specific target organ toxicity - single exposure Category 3 (respiratory tract initiation); H315, H319, H335 [1]

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01-2119851173-43-XXXX 01-2119851174-41-XXXX

Compartment 2

contains

1 Not Available

2. Not Available 3.Not Available 4.Not Available

90-95

fluoro aluminosilicate

glass

Not Applicable

Not Applicable

1 9003-01-4 2.Not Available 3.Not Available 4.Not Available

acrylic acid 5-10 homopolymer

R36/37/38, R51/53 [1]

Skin Corrosion/Imitation Category 2, Eye Imitation Category 2, Specific target organ toxicity - single exposure Category 3, (respiratory tract irritation), Chronic Aquatic Hazard Category 2; H315, H319, H335, H411 [1]

1. Classification by vendor, 2. Classification drawn from EC Directive 67/548/EEC - Annex I; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

4. Classification drawn from C&L

#### **SECTION 4 FIRST AID MEASURES**

#### 4.1. Description of first aid measures

#### If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of imitation

#### General

- 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. If fumes or combustion products are inhaled remove from contaminated area.
- Seek medical attention.
- 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

### Eye Contact

- If this product comes in contact with the eyes:

  Inmediately 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).
   Seek medical attention in event of irritation.
- Inhalation
- If furnes or combustion products are inhaled remove from contaminated area.
- Seek medical attention.
- 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.

### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11

# 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# SECTION 5 FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Foam is generally ineffective.

### 5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

Fire Fighting

### 5.3. Advice for firefighters

Alert Fire Brigade and tell them location and nature of hazard.

Alert Fire Brigade and tell treat location and reads.

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.

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- 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 furnes of carbon monoxide (CO).

#### Fire/Explosion Hazard

- May emit acrid smoke.
- Mists containing combustible materials may be explosive.

Combustion products include; carbon dioxide (CO2) other pyrolysis products typical of burning organic materialMay emit poisonous furnes. May emit corrosive

### SECTION 6 ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.2. Environmental precautions

### 6.3. Methods and material for containment and cleaning up

#### Minor Spills

- Clean up all spills immediately. Avoid contact with skin and eves
- Wear impervious gloves and safety goggles.
- Trowel up/scrape up.
  Place spilled material in clean, dry, sealed container.
- Flush spill area with water.
- 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.
- Major Spills
- Contain spill with sand, earth or verniculite 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.

#### 6.4. Reference to other sections

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

#### **SECTION 7 HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

- Avoid all personal contact, including inhalation
- 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.

#### Fire and explosion protection

Safe handling

#### Other information

Do not store in direct sunlight.

Store in a dry and well ventilated Store between 5 and 25 deg. C. ed-area, away from heat and sunlight.

# 7.2. Conditions for safe storage, including any incompatibilities

None known

Suitable container Storage incompatibility

- DO NOT repack. Use containers supplied by manufacturer only.
   Check that containers are clearly labelled and free from leaks

### 7.3. Specific end use(s)

See section 1.2

# SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control parameters

DERIVED NO EFFECT LEVEL (DNEL)

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PREDICTED NO EFFECT LEVEL (PNEC)

Not Available

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
EMERGENCY LIMITS						many lateral and agency of the second state of
Ingredient	Material name			TEEL-1	TEEL-2	TEEL-3
acrylic acid homopolymer	Acrylic acid polyme	rs; (Acrylic polymer or resin)		7.5 mg/m3	83 mg/m3	500 mg/m3
tartaric acid	Tartaric acid			1.6 mg/m3	17 mg/m3	100 mg/m3
acrylic acid homopolymer	Acrylic acid polyme	rs; (Acrylic polymer or resin)		7.5 mg/m3	83 mg/m3	500 mg/m3
Ingredient	Original IDLH			Revised IDLH		and the second second second second
acrylic acid homopolymer	Not Available			Not Available	- our same service probability	
tartaric acid	Not Available			Not Available		
fluoro aluminosilicate glass	Not Available			Not Available	TOTAL SE I INCEST	
acrylic acid homopolymer	Not Available			Not Available	THE R. P. LEW.	

#### MATERIAL DATA

#### 8.2. Exposure controls

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 property. 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 General exhibition is adequate in the from a operating containing our required in special circumstances. It inside to vertexposure 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.

#### 0.25-0.5 m/s (50-100 solvent, vapours, degreasing etc., evaporating from tank (in still air). f/min) sols, furnes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating 0.5-1 m/s (100-200 acid furnes, pickling (released at low velocity into zone of active generation) f/min.) direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into 1-2.5 m/s (200-500 zone of rapid air motion) f/min.) grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid 2.5-10 m/s (500-2000

#### 8.2.1. Appropriate engineering controls

Within each range the appropriate value depends on:

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

Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction , make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.

#### 8.2.2. Personal protection

Eye and face protection









- Chemical goggles.

Type of Contaminant:

air motion)

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 Control Intelligence Bulletin 50] (ASMIZS 1336 or patient) environment only after workers have washed hands thoroughly. Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]

Skin protection

See Hand protection below

Air Speed:

f/min.)

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Hands/feet protection	<ul> <li>Wear chemical protective gl</li> <li>Wear safety footwear or safe</li> <li>Rubber Gloves</li> </ul>		r			
Body protection	See Other protection below					
Other protection	<ul> <li>Overalls.</li> <li>P.V.C. apron.</li> <li>Barrier cream.</li> <li>Skin cleansing cream.</li> <li>Eye wash unit.</li> </ul>					
Thermal hazards	Not Available					

#### 8.2.3. Environmental exposure controls

See section 12

#### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Smooth, pale-coloured paste with slightly d	haracteristic 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	Not Available
Meiting 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 (g/L)	Partly miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

#### 9.2. Other information

Not Available

### SECTION 10 STABILITY AND REACTIVITY

10.1.Reactivity	See section 7.2	
10.2.Chemical stability	Product is considered stable and hazardous polymerisation will not occur.	
10.3. Possibility of hazardous reactions	See section 7.2	
10.4. Conditions to avoid	See section 7.2	
10.5. Incompatible materials	See section 7.2	
10.6. Hazardous decomposition products	See section 5.3	
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### SECTION 11 TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Skin Contact

Evidence shows, or practical experience predicts, that the material produces imitation 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 imitant and then repairing the damage. The repair process, which initially evolved to protect mammalan 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 imitation often results in an inflammatory response involving the recruitment and activation of many cell types, mainly derived from the vascular system.

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 imitation 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

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(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. Evidence exists, or practical experience predicts, that the material may cause eye imitation 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); Eye temporary impairment of vision and/or other transient eye damage/ulceration may occur Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems.

Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. Chronic IRRITATION Riva Self Cure HV Capsules Not Available TOXICITY IRRITATION acrylic acid homopolyme Oral (rat) LD50: 2500 mg/kgd<sup>[2]</sup> Nil reported TOXICITY IRRITATION dermal (rat) LD50: >2000 mg/kg<sup>[1]</sup> Oral (rat) LD50: ca.920 mg/kg[1] IRRITATION acrylic acid homopolyme Oral (rat) LD50: 2500 mg/kgd<sup>[2]</sup> Nil reported 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.\* Value obtained from manufacturer's SDS. Unless otherwise specified data Legend: extracted from RTECS - Register of Toxic Effect of chemical Substances

TARTARIC ACID

Ashma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly intritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory disease, in a non-atopic individual with abrupt onsly intritating compound. Key criteria to the symptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyperreactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without eosinophilia, have also been included in the criteria for diagnosis of RADS. RADS (or asthma) following an irritating inhalation is an infrequent disorder with rates related to the concentration of and duration of exposure to the irritating substance. Industrial bronchitis, on the other hand, is a disorder that occurs as result of exposure due to high concentrations of irritating substance (often particulate in nature) and is completely reversible after exposure ceases. The disorder is characterised by dyspnea, cough and mucus production. Convulsions, haemonthage recorded.

# ACRYLIC ACID

Astrma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyperreactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without eosinophilia, have also been included in the criteria for diagnosis of RADS. RADS (or asthma) following an irritating inhalation is an infrequent disorder with rates related to the concentration of and duration of exposure to the irritating substance. Industrial bronchitis, on the other hand, is a disorder that occurs as result of exposure due to high concentrations of irritating substance (often particulate in nature) and is completely reversible after exposure ceases. The disorder is characterised by dyspnea, cough and mucus production. The substance is classified by IARC as Group 3:

NOT classifiable as to its carcinogenicity to humans.

Evidence of carcinogenicity may be inadequate or limited in animal testing.

Acute Toxicity
Skin Irritation/Corrosion
Serious Eye Damage/Irritation
Respiratory or Skin sensitisation
Mutagenicity



Carcinogenicity
Reproductivity
STOT - Single Exposure
STOT - Repeated Exposure
Aspiration Hazard

Legend:

X − Data available but does not fill the criteria for classification
 ✓ − Data required to make classification available

Data Not Available to make classification

#### **SECTION 12 ECOLOGICAL INFORMATION**

#### 12.1. Toxicity

70					
Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
acrylic acid homopolymer	EC50	384	Crustacea	389.869mg/L	3
acrylic acid homopolymer	EC50	96	Algae or other aquatic plants	8596.446mg/L	3
acrylic acid homopolymer	LC50	96	Fish	1684.686mg/L	3
tartaric acid	EC50	96	Algae or other aquatic plants	434.65983mg/L	3
tartaric acid	LC50	96	Fish	>100mg/L	2

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tartaric acid	EC50	48	Crustacea	93.313mg/L	2	
tartaric acid	EC50	72	Algae or other aquatic plants	51.4043mg/L	2	
tartaric acid	NOEC	72	Algae or other aquatic plants	3.125mg/L	2	
acrylic acid homopolymer	EC50	384	Crustacea	389.869mg/L	3	
acrylic acid homopolymer	EC50	96	Algae or other aquatic plants	8596.446mg/L	3	
acrylic acid homopolymer	LC50	96	Fish	1684.686mg/L	3	
Legend:	Aquatic Toxicity	Data (Estimated) 4. US EPA,	rope ECHA Registered Substances - Ecotoxicological Ecotox database - Aquatic Toxicity Data 5. ECETOC concentration Data 8. Vendor Data	Information - Aquatic Toxicity 3. Aquatic Hazard Assessment De	EPIWIN Suite V3.12 ata 6. NITE (Japan) -	

DO NOT discharge into sewer or waterways.

#### 12.2. Persistence and degradability

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

#### 12.3. Bioaccumulative potential

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

#### 12.4. Mobility in soil

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

### 12.5.Results of PBT and vPvB assessment

	P	В	T
Relevant available data	Not Available	Not Available	Not Available
PBT Criteria fulfilled?	Not Available	Not Available	Not Available

### 12.6. Other adverse effects

No data available

### **SECTION 13 DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

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.

Product / Packaging disposal

Where in doubt contact the responsible authority.
 Consult State Land Waste Management Authority for disposal.
 Bury residue in an authorised landfill.

Waste treatment options Not Available Sewage disposal options Not Available

# SECTION 14 TRANSPORT INFORMATION

	1											
Marine Pollutant	NO											
HAZCHEM	Not Applicable											
TOTAL AND MAIN AND AND AND ADDRESS OF THE PARTY OF THE PA												
Land transport (ADR): NOT		SPORT	OF DA	NGERO	OUS G	SOODS	5					
14.1.UN number	Not Applicable					110 11		40.0	40.01			
14.2.Packing group	Not Applicable											
14.3.UN proper shipping name	Not Applicable										-11	
14.4 Environmental hazard	Not Applicable								17.3676		 	

14.5. Transport hazard class(es)	Class Not Applicable Subrisk Not Applicable
14.6. Special precautions for user	Hazard identification (Kemler) Not Applicable  Classification code Not Applicable  Hazard Label Not Applicable
	Special provisions Not Applicable  Limited quantity Not Applicable
Air transport (ICAO-IATA / [	OGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
14.1. UN number	Not Applicable
14.2. Packing group	Not Applicable
14.3. UN proper shipping name	Not Applicable
14.4. Environmental hazard	Not Applicable
	ICAO/IATA Class Not Applicable
14.5. Transport hazard	ICAO / IATA Subrisk Not Applicable
class(es)	ERG Code Not Applicable
THE PROPERTY OF SHAPE AND ADDRESS OF THE PROPERTY OF THE PARTY OF THE	Special provisions Not Applicable
	at a second seco
14.6. Special precautions for user	Cargo Only Packing Instructions Not Applicable  Cargo Only Maximum Qty / Pack Not Applicable
	Passenger and Cargo Packing Instructions Not Applicable
	Passenger and Cargo Maximum Qty / Pack Not Applicable
	Passenger and Cargo Limited Quantity Packing Instructions Not Applicable
	Passenger and Cargo Limited Maximum Qty / Pack Not Applicable
Sea transport (IMDG-Code	/ GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
14.1. UN number	Not Applicable
14.2. Packing group	Not Applicable
14.3. UN proper shipping name	Not Applicable
14.4. Environmental hazard	Not Applicable
14.5. Transport hazard	IMDG Class Not Applicable
class(es)	IMDG Subrisk Not Applicable
	EMS Number Not Applicable
14.6. Special precautions for user	Special provisions Not Applicable
	Limited Quantities Not Applicable
Inland waterways transpor	t (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
14.1. UN number	Not Applicable
14.2. Packing group	Not Applicable
14.3. UN proper shipping name	Not Applicable
14.4. Environmental hazard	Not Applicable
14.5. Transport hazard class(es)	Not Applicable Not Applicable
THE REPORT OF THE PARTY OF THE	Classification code Not Applicable
	Classification code Not Applicable  Special provisions Not Applicable
14.6. Special precautions for	Special provisions Not Applicable  Limited quantity Not Applicable
user	West and the second sec
	Equipment required Not Applicable  Fire cones number Not Applicable
	Fire cones number Not Applicable

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

# SECTION 15 REGULATORY INFORMATION

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#### Riva Self Cure HV Capsules

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### ACRYLIC ACID HOMOPOLYMER(9003-01-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles European Customs Inventory of Chemical Substances ECICS (English)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

European Customs Inventory of Chemical Substances ECICS (English)

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

# TARTARIC ACID(87-69-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS European List of Notified Chemical Substances (ELINCS)

EU REACH Regulation (EC) No 1907/2006 - Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles European Customs Inventory of Chemical Substances ECICS (English)

ACRYLIC ACID HOMOPOLYMER(9003-01-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS International Agency for Research on Cancer (IARC) - Agents Classified by the IARC

Monographs

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : 67/548/EEC, 1999/45/EC, 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008 and their amendments as well as the following British legislation: - The Control of Substances Hazardous to Health Regulations (COSHH) 2002 - COSHH Essentials - The Management of Health and Safety at Work Regulations 1999

#### 15.2. Chemical safety assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if available.

#### ECHA SUMMARY

Ingredient	CAS number		Index No	ECHA Dos	sier		
acrylic acid homopolymer	9003-01-4		Not Available	Not Availab	le		
Harmonisation (C&L Inventory)	Hazard Class and	Category Code(s)		Pictograms Signal Word Code(s)	Hazard Statement Code(s)		
1	Not Classified			Wng, GHS08, Dgr, GHS05, GHS09, GHS02	H319, H335, H340, H350, H314, H332, H317, H290, H226, H302, H312		
2	Not Classified, Skir 1B, Aquatic Chroni Aquatic Acute 1	n Irrit. 2, Eye Irrit. 2, STC c 3, Skin Corr. 1A, Acut	DT SE 3, Muta. 1B, Carc. 1A. Skin Corr. e Tox. 4, Met. Corr. 1, Flam. Liq. 3,	Wng, GHS08, Dgr, GHS05, GHS09, GHS02	H319, H335, H340, H350, H314, H332, H317, H290, H226, H302, H312		
2	Skin Corr. 1B, Eye I	Dam. 1		GHS05, Dgr	H314		
Harmonisation Code 1 = The n	nost prevalent classificati	ion. Harmonisation Cod	le 2 = The most severe classification.				
Ingredient	CAS number	Index No	ECHA Dossier		and the same of th		
tartaric acid	87-69-4	Not Available	01-2119537204-47-XXXX, 01-21196	351173-43-XXXX. 01-211985117	4-41-XXXX		
	1			18 19 1			
Harmonisation (C&L Inventory)	Hazard Class and	Category Code(s)	A STATE OF THE STA	Pictograms Signa Code(s)	l Word Hazard Statement Code(s)		
1	Acute Tox. 4, Skin I	mt. 2, Skin Sens. 1, Eye	lmit. 2, STOT SE 3	GHS07, Wng	H302, H315, H317, H319 H335		
2	Eye Dam. 1, Skin Ir Aquatic Chronic 3,	rit. 2, Acute Tox. 4, Skin Eye Irrit. 2A	Sens. 1, Eye Irrit. 2, STOT SE 3, Not Class	sified, GHS05, Dgr, Wng,	GHS06 H318, H315, H302, H317 H335		
Harmonisation Code 1 = The m	nost prevalent classificati	ion. Harmonisation Cod	e 2 = The most severe classification.				
Ingredient	CAS number		Index No	ECHA Dos	sier		
acrylic acid homopolymer	9003-01-4		Not Available	Not Available			
Harmonisation (C&L inventory)	Hazard Class and	Category Code(s)		Pictograms Signal Word Code(s)	Hazard Statement Code(s)		
1	Not Classified			Wng, GHS08, Dgr, GHS05, GHS09, GHS02	H319, H335, H340, H350, H314, H332, H317, H290, H226, H302, H312		
2			DT SE 3, Muta. 1B, Carc. 1A, Skin Corr. e Tox. 4, Met. Corr. 1, Flam. Liq. 3,	Wng, GHS08, Dgr, GHS05, GHS09, GHS02	H319, H335, H340, H350, H314, H332, H317, H290, H226, H302, H312		
2	Skin Corr. 1B, Eye I	Dam. 1		GHS05, Dgr	H314		
Harmonisation Code 1 = The m	nost prevalent classificati	ion. Harmonisation Code	e 2 = The most severe classification.				
National Inventory	Status				10 10 10 10 10 10 10 10 10 10 10 10 10 1		
Australia - AICS	Y		E. C. Street William Street	mental attended to the control of the control of	** *** *** *** *** *** *** *** *** ***		
Canada - DSL	Y						
Canada - NDSL	N (acrylic acid hom	opolymer; tartaric acid)					
China - IECSC	Y				to write the control of the control of the control of		
Europe - EINEC / ELINCS /	N (acrylic acid home	opolymer)			Sections of the section of the secti		
Japan - ENCS	Υ	5 8 6		- m a m ( q d) a			
Korea - KECI	Y						
New Zeeland NZIoC	Y			a management of the	- Production of Parish 2 1 Section 1		
New Zealand - NZIoC	***						

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#### Riva Self Cure HV Capsules

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USA - TSCA

Legend:

Y = All ingredients are on the inventory

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

### SECTION 16 OTHER INFORMATION

#### Full text Risk and Hazard codes H226 Flammable liquid and vapour. H290 May be corrosive to metals H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eve damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H332 Harmful if inhaled. H340 May cause genetic defects. H350 May cause cancer. H411 Toxic to aquatic life with long lasting effects. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Other information

#### DSD / DPD label elements



Relevant risk statements are found in section 2.1

Indication(s) of danger	Xi
SAFETY ADVICE	
S02	Keep out of reach of children.
S26	In case of contact with eyes, rinse with plenty of water and contact Doctor or Poisons Information Centre.
S35	This material and its container must be disposed of in a safe way
\$37	Wear suitable gloves.
S39	Wear eye/face protection.
S40	To clean the floor and all objects contaminated by this material, use water and detergent.
S46	If swallowed, seek medical advice immediately and show this container or label.
S56	Dispose of this material and its container at hazardous or special waste collection point.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

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.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective dothing EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals EN 133 Respiratory protective devices

### **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
OSF: Odour Safety Factor
NOAEL: No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
TLY: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value BCF: BioConcentration Factors

BEI: Biological Exposure Index

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

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# Riva Self Cure HV Capsules

obtained from the use thereof.

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Date of preparation/revision: 23rd September 2015
Department issuing SDS: Research and Development
Contact: Technical Director