

SDI Limited Version No: 6.1

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Issue Date: **10/03/2021** Print Date: **17/11/2023** L.GHS.AUS.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier	
Product name	Super Etch, Super Etch LV
Chemical Name	Not Applicable
Synonyms	Not Available
Proper shipping name	PHOSPHORIC ACID, SOLUTION
Chemical formula	Not Applicable
Other means of identification	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses For etching of tooth surfaces by dental professionals.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	SDI Limited	SDI (North America) Inc.	SDI Germany GmbH
Address	3-15 Brunsdon Street Bayswater VIC 3153 Australia	1279 Hamilton Parkway Itasca IL 60143 United States	Hansestrasse 85 Cologne D-51149 Germany
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Email	info@sdi.com.au	USA.Canada@sdi.com.au	germany@sdi.com.au
Registered company name	pistered company name SDI HOLDINGS PTY LTD DO		
Address	Rua Dr. Reinaldo Schmithausen 3141 – Cordeiros Itajaí – SC – CEP 88310-004 Brazil		
Telephone	+55 11 3092 7100		
Fax	Not Available		
Website	http://www.sdi.com.au/		
Email	Brasil@sdi.com.au		

Emergency telephone number

Association / Organisation	SDI Limited	CHEMWATCH EMERGENCY RESPONSE (24/7)
Emergency telephone numbers	131126 Poisons Information Centre	+61 1800 951 288
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

SECTION 2 Hazards identification

Classification of the substance or mixture	
Poisons Schedule	Not Applicable
Classification ^[1]	Corrosive to Metals Category 1, Skin Corrosion/Irritation Category 1A, Serious Eye Damage/Eye Irritation Category 1
Legend:	1. Classification by vendor; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Label elements



d Danger

Signal word D

Page 2 of 10

Hazard statement(s)

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

Precautionary statement(s) Prevention

P260	Do not breathe mist/vapours/spray.
P264	Wash all exposed external body areas thoroughly after handling.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P234	Keep only in original packaging.

Precautionary statement(s) Response

, ,	
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/physician/first aider.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary statement(s) Storage

P405 Store locked up.

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
7664-38-2	37	phosphoric acid
Legend:	 Classification by vendor; 2. Classification drawn from HCIS, Classification drawn from C&L * EU IOELVs available 	3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4.

SECTION 4 First aid measures

Description of first aid measur	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 or hair contact occurs: Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre. Transport to hospital, or doctor. Seek medical attention. 	
Inhalation	 If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor. 	
Ingestion	 If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice. Rinse mouth with water. 	

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

- Water spray or fog.
- Foam.
- Dry chemical powder.
 BCF (where regulations permit).
- Carbon dioxide.

Special hazards arising from the substrate or mixture

pecial hazards arising from the substrate or mixture		
Fire Incompatibility	None known.	
dvice for firefighters		
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. Use fire fighting procedures suitable for surrounding 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	 Non combustible. Not considered to be a significant fire risk. Acids may react with metals to produce hydrogen, a highly flammable and explosive gas. Heating may cause expansion or decomposition leading to violent rupture of containers. May emit corrosive, poisonous fumes. May emit acrid smoke. Decomposition may produce toxic fumes of: phosphorus oxides (POx) 	
HAZCHEM	2R	

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	 Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material. Check regularly for spills and leaks. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. 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

Precautions for safe handling	
Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with moisture. 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.

Page 4 of 10

Super Etch, Super Etch LV

 Other information
 Store between 10 and 25 deg. C.

 Store in a cool dry place.
 Store in a cool dry place.

Conditions for safe storage, including any incompatibilities

conditions for sale storage, in	inducina for sale storage, including any incompatibilities		
Suitable container	DO NOT repack. Use containers supplied by manufacturer only.		
Storage incompatibility	 Avoid strong bases. Avoid contact with copper, aluminium and their alloys. 		

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	phosphoric acid	Phosphoric acid	1 mg/m3	3 mg/m3	Not Available	Not Available
Emergency Limits						

Ingredient	TEEL-1	TEEL-2		TEEL-3
phosphoric acid	Not Available	Not Available		Not Available
Ingredient	Original IDLH		Revised IDLH	
phosphoric acid	1,000 mg/m3		Not Available	

MATERIAL DATA

Exposure controls

	Engineering controls are used to remove a hazard or place a be highly effective in protecting workers and will typically be in The basic types of engineering controls are: Process controls which involve changing the way a job activit Enclosure and/or isolation of emission source which keeps a "adds" and "removes" air in the work environment. Ventilation ventilation system must match the particular process and che Employers may need to use multiple types of controls to preve General exhaust is adequate under normal operating condition overexposure exists, wear approved respirator. Supplied-air ensure adequate protection. Provide adequate ventilation in workplace possess varying "escape" velocities which, in turn remove the contaminant.	ndependent of worker interactions to provide this high level ty or process is done to reduce the risk. selected hazard "physically" away from the worker and ven o can remove or dilute an air contaminant if designed proper emical or contaminant in use. vent employee overexposure. ons. Local exhaust ventilation may be required in special circ type respirator may be required in special circumstances. C warehouses and enclosed storage areas. Air contaminants	of protection. tilation that strategically rly. The design of a cumstances. If risk of orrect fit is essential to generated in the
	Type of Contaminant:		Air Speed:
	solvent, vapours, degreasing etc., evaporating from tank (i	0.25-0.5 m/s (50-100 f/min)	
Appropriate engineering	aerosols, fumes from pouring operations, intermittent conta drift, plating acid fumes, pickling (released at low velocity in	0.5-1 m/s (100-200 f/min.)	
controls	direct spray, spray painting in shallow booths, drum filling, 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.)
	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 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 producing performance deficits within the extraction apparatu	le cases). Therefore the air speed at the extraction point sho ng source. The air velocity at the extraction fan, for example n a tank 2 meters distant from the extraction point. Other mo	buld be adjusted, , should be a minimum of echanical considerations,

Individual protection measures, such as personal protective equipment

Eye and face protection



more when extraction systems are installed or used.

- 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

Page 5 of 10

Super Etch, Super Etch LV

	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. PVC Apron. PVC protective suit may be required if exposure severe. Eyewash unit. Ensure there is ready access to a safety shower.

Ansell Glove Selection

Glove — In order of recommendation
AlphaTec 02-100
AlphaTec® Solvex® 37-185
AlphaTec® 58-008
AlphaTec® 58-530B
AlphaTec® 58-530W
AlphaTec® 58-735
AlphaTec® 79-700
AlphaTec® Solvex® 37-675
AlphaTec® 38-612
AlphaTec® 53-001

Respiratory protection

Type B-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	B-AUS P2	-	B-PAPR-AUS / Class 1 P2
up to 50 x ES	-	B-AUS / Class 1 P2	-
up to 100 x ES	-	B-2 P2	B-PAPR-2 P2 ^

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Blue gel with acrid odour, mixes with water.		
Plantatat			
Physical state	Gel	Relative density (Water = 1)	1.3
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	<1	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Applicable	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Applicable	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	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	Contact with alkaline material liberates heat
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Inhaled	The material is not thought to produce adverse health e Nevertheless, adverse systemic effects have been prod requires that exposure be kept to a minimum and that s	uced following exposure of animals b	y at least one other route and good hygiene practic	
Ingestion	The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion. Accidental ingestion of the material may be damaging to the health of the individual.			
Skin Contact	The material can produce chemical burns following direct contact with the skin. 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	The material can produce chemical burns to the eye following direct contact. Vapours or mists may be extremely irritating. When applied to the eye(s) of animals, the material produces severe ocular lesions which are present twenty-four hours or more after instillation.			
Chronic	Limited evidence suggests that repeated or long-term or biochemical systems. Repeated or prolonged exposure to acids may result in (rarely) of the jaw. Bronchial irritation, with cough, and fr also occur. Chronic exposures may result in dermatitis a The impact of inhaled acidic agents on the respiratory tr characteristics, e.g., gas versus aerosol; particle size (s are more likely to be removed in the nose and mouth). (occupational exposures to acids, it is difficult to identify with a diameter of up to a few micrometers will be depo- cause dental erosion, and they produce acute effects in particular risk for pulmonary effects.	the erosion of teeth, inflammatory and requent attacks of bronchial pneumor and/or conjunctivitis. "act depends upon a number of interror mall particles can penetrate deeper in Siven the general lack of information their principal deposition site within th sited in both the upper and lower airw	d ulcerative changes in the mouth and necrosis nia may ensue. Gastrointestinal disturbances may elated factors. These include physicochemical nto the lung); water solubility (more soluble agents on the particle size of aerosols involved in ne respiratory tract. Acid mists containing particles rays. They are irritating to mucous epithelia, they	
	τοχιςιτγ	IRRITATION		
Super Etch, Super Etch LV	Not Available	Not Available		
	ΤΟΧΙΟΙΤΥ	IRRITATION		
	Dermal (rabbit) LD50: >1260 mg/kg ^[2]		ng - SEVERE [Monsanto]*	
phosphoric acid	Inhalation(Rat) LC50: 0.026 mg/L4h ^[2]		ct observed (irritating) ^[1]	
	Oral (Rat) LD50: 1530 mg/kg ^[2] Skin (rabbit):595 mg/24h - SEVERE			
			ect observed (corrosive) ^[1]	
Legend:	1. Value obtained from Europe ECHA Registered Subst specified data extracted from RTECS - Register of Toxic		ed from manufacturer's SDS. Unless otherwise	
PHOSPHORIC ACID	 phosphoric acid (85%) No significant acute toxicologica for acid mists, aerosols, vapours Data from assays for genotoxic activity in vitro suggest 1 Cells from the respiratory tract have not been examined exposure to inhaled acidic mists, just as mucous plays a acid. In considering whether pH itself induces genotoxic stomach, in which gastric juice may be at pH 1-2 under urine can range from <5 to > 7 and normally averages 6 only a portion of the cell surface is subjected to the adver readily than in vitro. The material may produce severe irritation to the eye ca produce conjunctivitis. The material may produce severe skin irritation after prof form of dermatitis is often characterised by skin redness Histologically there may be intercellular oedema of the severity of response, but repeated ex Asthma-like symptoms may continue for months or ever known as reactive airways dysfunction syndrome (RAD) criteria for diagnosing RADS include the absence of pre asthma-like symptoms within minutes to hours of a doct airflow pattern on lung function tests, moderate to sever lymphocytic inflammation, without eosinophilia. RADS (that eukaryotic cells are susceptible tr in this respect. Mucous secretion ma- an important role in protecting the gas events in vivo in the respiratory syste fasting or nocturnal conditions, and w 2. Furthermore, exposures to low ph- erse conditions, so that perturbation or ausing pronounced inflammation. Rep- polonged or repeated exposure, and m (erythema) thickening of the epiderm spongy layer (spongiosis) and intrace posures may produce severe ulceration h years after exposure to the material S) which can occur after exposure to vious airways disease in a non-atopic umented exposure to the irritant. Other the bronchial hyperreactivity on methar or asthma) following an irritating inhal	ay protect the cells of the airways from direct stric epithelium from its auto-secreted hydrochloric em, comparison should be made with the human <i>i</i> th the human urinary bladder, in which the pH of 4 in vivo differ from exposures <i>in vitro</i> in that, <i>in vivo</i> 6 intracellular homeostasis may be maintained more beated or prolonged exposure to irritants may ay produce a contact dermatitis (nonallergic). This nis. Illular oedema of the epidermis. Prolonged contact ion. ends. This may be due to a non-allergic condition high levels of highly irritating compound. Main c individual, with sudden onset of persistent er criteria for diagnosis of RADS include a reversibl choline challenge testing, and the lack of minimal lation is an infrequent disorder with rates related to	
	the concentration of and duration of exposure to the irrit result of exposure due to high concentrations of irritating disorder is characterized by difficulty breathing, cough a		ompletely reversible after exposure ceases. The	
Acute Toxicity	result of exposure due to high concentrations of irritating		ompletely reversible after exposure ceases. The	
Acute Toxicity Skin Irritation/Corrosion	result of exposure due to high concentrations of irritating disorder is characterized by difficulty breathing, cough a	nd mucus production.		
-	result of exposure due to high concentrations of irritating disorder is characterized by difficulty breathing, cough a	nd mucus production. Carcinogenicity	×	
Skin Irritation/Corrosion	result of exposure due to high concentrations of irritating disorder is characterized by difficulty breathing, cough a	Carcinogenicity Reproductivity	×	

SECTION 12 Ecological information

	Endpoint	Test Duration (hr)	Species		Value	Source
	Not Available	Not Available	Not Available Not Available		Not Available	
	Endpoint	Test Duration (hr)	Species	Value	e	Source
	EC50	72h	Algae or other aquatic plants	77.9r	mg/l	2
phosphoric acid	EC50	48h	Crustacea	>100	lmg/l	2
	LC50	96h	Fish	67.94	4-113.76mg/L	4
-	NOEC(ECx)	72h	Algae or other aquatic plants	<7.5	mg/l	2
Legend:	Ecotox databas	· · ·	egistered Substances - Ecotoxicological Info tic Hazard Assessment Data 6. NITE (Japan,	,	,	,

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
phosphoric acid	HIGH	HIGH
Bioaccumulative potential		
Ingredient	Bioaccumulation	
phosphoric acid	LOW (LogKOW = -0.7699)	
Mobility in soil		
Ingredient	Mobility	
phosphoric acid	HIGH (KOC = 1)	

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. Recycle wherever possible. Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified. Treat and neutralise at an approved treatment plant. Treatment should involve: Mixing or slurrying in water; Neutralisation followed by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or Incineration in a licensed apparatus (after admixture with suitable combustible material) Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

SECTION 14 Transport information

Labels Required

Marine Pollutant	NO
HAZCHEM	2R

Land transport (ADG)

14.1. UN number or ID number	1805		
14.2. UN proper shipping name	PHOSPHORIC ACID, SOLUTION		
14.3. Transport hazard class(es)	Class Subsidiary Hazard	8 Not Applicable	
14.4. Packing group	II		
14.5. Environmental hazard	Not Applicable		

Page 8 of 10

Super Etch, Super Etch LV

Air transport (ICAO-IATA / DGR)

14.1. UN number	1805			
14.2. UN proper shipping name	Phosphoric acid, solution			
14.3. Transport hazard class(es)	ICAO/IATA Class ICAO / IATA Subsidiary Hazard ERG Code	8 Not Applicable		
		0L		
14.4. Packing group				
14.5. Environmental hazard	Not Applicable			
	Special provisions		A3 A803	
	Cargo Only Packing Instructions		856	
14.6. Special precautions for user	Cargo Only Maximum Qty / Pack		60 L	
	Passenger and Cargo Packing Instructions		852	
	Passenger and Cargo Maximum Qty / Pack		5 L	
	Passenger and Cargo Limited Quantity Packing Instructions		Y841	
	Passenger and Cargo Limited Maximum Qty / Pack		1 L	

Sea transport (IMDG-Code / GGVSee)

14.1. UN number	1805		
14.2. UN proper shipping name	PHOSPHORIC ACID SOLUTION		
14.3. Transport hazard class(es)	IMDG Class8IMDG Subsidiary HazardNot Applicable		
14.4. Packing group	III		
14.5 Environmental hazard	Not Applicable		
14.6. Special precautions for user	EMS Number F- Special provisions 22 Limited Quantities 5		

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
phosphoric acid	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
phosphoric acid	Not Available

If packed as Chemical kits the following classification may be considered if all ICAO/IATA transport requirements are met: Chemical Kit UN3316 - Class 9, SP A44 & A163.

SECTION 15 Regulatory information

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

phosphoric acid is found on the following regulatory lists

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5 Australian Inventory of Industrial Chemicals (AIIC)

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (phosphoric acid)

Page 9 of 10

Super Etch, Super Etch LV

National Inventory	Status
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
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	10/03/2021
Initial Date	17/11/2015

SDS Version Summary

Version	Date of Update	Sections Updated
5.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification
6.1	10/03/2021	Hazards identification - Classification

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
- 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 In
- TCSI: Taiwan Chemical Substance Inventory
 INSO: Inventario Nacional de Sustancias Químico
- 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.

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