Safety Data Sheet

BONDERITE C-IC 425 ACID CLEANER known as Ridoline 425 25L

SDS No. : 429694
V001.4
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SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: BONDERITE C-IC 425 ACID CLEANER known as Ridoline 425 25L

Intended use: Acidic Cleaner for Industrial Application

Supplier:

Henkel New Zealand Ltd
2 Allens Rd
East Tamaki
Auckland, 2013
New Zealand
Phone: +64 (9) 272-6710

Emergency Telephone for Chemical Accidents: 24 HOUR EMERGENCY CONTACT NUMBER 0800 243 622

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).
Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

GHS Classification:

Hazard Class	Hazard Category
Corrosive to metals	Category 1
Skin corrosion	Sub-category 1B
Serious eye damage/eye irritation	Category 1
Acute hazards to the aquatic environment	Category 3

Hazard pictogram:



Signal word: Danger

Hazard statement(s):
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H402 Harmful to aquatic life.

Precautionary Statement(s):

Prevention:
P234 Keep only in original packaging.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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].
P304+P340+P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.
P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Get immediate medical advice/attention.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

Storage:
P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Disposal:
P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Mixture

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Sulfuric acid	7664-93-9	10- < 15 %
phosphoric acid	7664-38-2	5- < 10 %
Citric acid	77-92-9	1- < 10 %
Alcohols, C8-10, ethoxylated propoxylated~	68603-25-8	1- < 3 %
oxalic acid, dihydrate	6153-56-6	1- < 3 %
Alcohols, C13-15-branched and linear, butoxylated ethoxylated	111905-53-4	1- < 10 %
Propane-1,2-diol	57-55-6	1- < 10 %
non hazardous ingredients~		30- <= 60 %

SECTION 4 FIRST AID MEASURES

Ingestion:
Do not induce vomiting, seek medical advice immediately.

Skin:
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.
Treat contaminated skin with Ca-gluconate gel (burn jelly).
Can penetrate into deeper parts of the skin and cause severe burns which are very painful and cure very slowly.
Remove contaminated clothing and footwear.

Eyes:
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get immediate medical attention.

Inhalation:
If inhaled, immediately remove the affected person to fresh air.
Delayed effects possible after inhalation.
Get medical attention.

First Aid facilities:	Eye wash and safety shower Normal washroom facilities Calcium gluconate gel
Medical attention and special treatment:	Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Improper extinguishing media:	High pressure waterjet
Decomposition products in case of fire:	Thermal decomposition can lead to release of irritating gases and vapors. Oxides of sulfur. Oxides of phosphorus. Hydrogen fluoride
Particular danger in case of fire:	May react with metals to form flammable hydrogen gas.
Special protective equipment for fire-fighters:	Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.
Additional fire fighting advice:	In case of fire, keep containers cool with water spray. Collect contaminated fire fighting water separately. It must not enter drains.
Hazchem code:	2X

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation. Avoid skin and eye contact. Wear an approved respirator, impervious gloves and chemical splash goggles. Keep unprotected persons away. See advice in section 8
Environmental precautions:	Do not empty into drains / surface water / ground water.
Clean-up methods:	Absorb spill with inert material. Shovel material into appropriate container for disposal. Neutralize with lime milk Flush contaminated area with water. Isolate area. Keep unnecessary personnel away.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid breathing vapors or mists of this product. Avoid contact with eyes, skin and clothing. IN CASE OF CONTACT OR SUSPICION OF CONTACT, PROMPT MEDICAL ATTENTION IS ABSOLUTELY NECESSARY. The workplace should be equipped with an emergency shower and eye-rinsing facility. Use only in well-ventilated areas. Use personal protective equipment as described in Section 8. Wear suitable protective clothing, gloves and eye/face protection.
Conditions for safe storage:	Store in sealed original container. Store in a cool, dry, well-ventilated area. Keep away from heat and direct sunlight. Storage at 15 to 25°C is recommended.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure standards:

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Ceiling	STEL (ppm)	STEL (mg/m3)
SULPHURIC ACID 7664-93-9			0.1	-	-	-
PHOSPHORIC ACID 7664-38-2			1	-	-	-
SULPHURIC ACID 7664-93-9			0.1	-	-	-
PHOSPHORIC ACID 7664-38-2			1	-	-	-
OXALIC ACID 6153-56-6			1	-	-	-
OXALIC ACID		-	-	-		2
PROPANE-1,2-DIOL, PARTICULATES ONLY 57-55-6	Particulate.		10	-	-	-
PROPANE-1,2-DIOL, VAPOUR & PARTICULATES	Vapor and particulates.	150	474	-	-	-

None

Biological Exposure Indices:
None

Engineering controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Eye protection: Tightly fitting safety goggles
Wear face shield.

Skin protection: Suitable protective clothing
Suitable protective gloves.
Recommended gloves include butyl rubber and neoprene.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

Respiratory protection: If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: colourless to yellowish
clear, liquid
Odor: None
Density: 1.136 - 1.182 g/cm3

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of temperature and pressure.
Conditions to avoid:	Excessive heat. Protect from direct sunlight.
Incompatible materials:	Heat. Contact with most metals produces highly flammable hydrogen gas. Keep away from organic materials, combustible materials, alkalis and metals. Incompatible with oxidising agents. Can attack glass and vitreous materials.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapors. Hydrogen fluoride. Oxides of sulfur. Oxides of phosphorus.

SECTION 11 TOXICOLOGICAL INFORMATION

Health Effects:

Ingestion: This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Skin: Corrosive to skin.
Symptoms may include redness, burning, drying, cracking and skin burns.
May be harmful if absorbed through skin.
Liquid or vapor can cause fluoride-type irritation or burns which may not be immediately painful or visible.

Eyes: Causes serious eye damage.
Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Inhalation: Can cause severe irritation and burns to the respiratory tract.
Can cause pulmonary edema; signs and symptoms can be delayed for several hours.

Chronic effects: Contains fluorides. Exposure to fluorides over years may cause fluorosis.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Sulfuric acid 7664-93-9	LD50 Acute toxicity estimate (ATE)	2,140 mg/kg 2,140 mg/kg	oral dermal		rat	OECD Guideline 401 (Acute Oral Toxicity) Expert judgement
phosphoric acid 7664-38-2	Acute toxicity estimate (ATE)	1,500 mg/kg	oral			Expert judgement
Citric acid 77-92-9	LD50 LD50	5,400 mg/kg > 2,000 mg/kg	oral dermal		mouse rat	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
Alcohols, C8-10, ethoxylated propoxylated~ 68603-25-8	LD50 LD50	616 mg/kg 5,660 mg/kg	oral dermal		rat rabbit	not specified not specified
oxalic acid, dihydrate 6153-56-6	LD50 Acute toxicity estimate (ATE)	> 375 mg/kg 376 mg/kg	oral oral		rat	not specified Expert judgement
Alcohols, C13-15-branched and linear, butoxylated ethoxylated 111905-53-4	LD50	> 300 - 2,000 mg/kg	oral		rat	not specified
Propane-1,2-diol 57-55-6	LD50 LC50 LD50	22,000 mg/kg > 317.042 mg/l > 2,000 mg/kg	oral inhalation dermal	 2 h 	rat rabbit rabbit	not specified not specified not specified

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
phosphoric acid 7664-38-2	corrosive	24 h	rabbit	not specified
Citric acid 77-92-9	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
oxalic acid, dihydrate 6153-56-6	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Alcohols, C13-15-branched and linear, butoxylated ethoxylated 111905-53-4	slightly irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Propane-1,2-diol 57-55-6	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Citric acid 77-92-9	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
oxalic acid, dihydrate 6153-56-6	highly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Alcohols, C13-15-branched and linear, butoxylated ethoxylated 111905-53-4	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Propane-1,2-diol 57-55-6	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
oxalic acid, dihydrate 6153-56-6	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Propane-1,2-diol 57-55-6	not sensitising	Guinea pig maximisation test	guinea pig	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Sulfuric acid 7664-93-9	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
phosphoric acid 7664-38-2	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Citric acid 77-92-9	negative positive	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian cell micronucleus test	with and without without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay) equivalent or similar to OECD Guideline 487 (In vitro Mammalian Cell Micronucleus Test)
Citric acid 77-92-9	negative negative	oral: gavage oral: gavage		rat rat	equivalent or similar to OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test) EU Method B.22 (Rodent Dominant Lethal Test)
oxalic acid, dihydrate 6153-56-6	negative negative	in vitro mammalian chromosome aberration test bacterial reverse mutation assay (e.g Ames test)	without with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Propane-1,2-diol 57-55-6	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test	without with and without		Ames Test OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Propane-1,2-diol 57-55-6	negative negative negative	oral: gavage intraperitoneal oral: gavage		rat mouse rat	not specified not specified not specified

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Sulfuric acid 7664-93-9	LOAEL=0.3 mg/m3	inhalation: aerosol	28 d6 h/d, 5 d/w	rat	OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day)
phosphoric acid 7664-38-2	NOAEL=250 mg/kg	oral: gavage	6 wdaily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Citric acid 77-92-9	NOAEL=4,000 mg/kg	oral: gavage	10 ddaily	rat	not specified
oxalic acid, dihydrate 6153-56-6	LOAEL=150 mg/kg			rat	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
Propane-1,2-diol 57-55-6	NOAEL=1,700 mg/kg	oral: feed	2 yearsdaily	rat	not specified
Propane-1,2-diol 57-55-6	NOAEL=1000 mg/m3	inhalation	90 d6 h/d, 5 d/w	rat	not specified

SECTION 12. ECOLOGICAL INFORMATION

General ecological information: Do not empty into drains / surface water / ground water.

Ecotoxicity: H402 Harmful to aquatic life.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Sulfuric acid 7664-93-9	LC50	> 16 - 28 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Sulfuric acid 7664-93-9	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Sulfuric acid 7664-93-9	EC50	> 100 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
Sulfuric acid 7664-93-9	NOEC	100 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
phosphoric acid 7664-38-2	LC50	> 100 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
phosphoric acid 7664-38-2	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
phosphoric acid 7664-38-2	EC50	> 100 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
phosphoric acid 7664-38-2	NOEC	100 mg/l	Algae	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
phosphoric acid 7664-38-2	IC50	270 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Citric acid 77-92-9	LC50	> 250 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
Citric acid 77-92-9	EC50	275 mg/l	Daphnia	24 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
Citric acid 77-92-9	EC50	> 640 mg/l	Algae	7 d	Scenedesmus quadricauda	OECD Guideline 201 (Alga, Growth Inhibition Test)
Citric acid 77-92-9	NOEC	425 mg/l	Algae	8 d	Scenedesmus quadricauda	other guideline:
Citric acid 77-92-9	EC0	1,000 mg/l	Bacteria	30 min	not specified	not specified
Alcohols, C8-10, ethoxylated propoxylated~ 68603-25-8	LC50	13.3 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Alcohols, C8-10, ethoxylated propoxylated~ 68603-25-8	LC50	12.3 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Alcohols, C8-10, ethoxylated propoxylated~ 68603-25-8	IC50	220 - 770 mg/l	Bacteria	16 h		DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)
oxalic acid, dihydrate 6153-56-6	LC50	160 mg/l	Fish	48 h	Leuciscus idus melanotus	OECD Guideline 203 (Fish, Acute Toxicity Test)
oxalic acid, dihydrate 6153-56-6	EC50	162.2 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
oxalic acid, dihydrate	EC50	20.58 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline

6153-56-6						201 (Alga, Growth Inhibition Test)
oxalic acid, dihydrate 6153-56-6	EC10	7.55 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
oxalic acid, dihydrate 6153-56-6	EC0	1,550 mg/l	Bacteria	16 h		DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)
Alcohols, C13-15-branched and linear, butoxylated ethoxylated 111905-53-4	LC50	> 1 - 10 mg/l	Fish	48 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Alcohols, C13-15-branched and linear, butoxylated ethoxylated 111905-53-4	EC50	> 1 - 10 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Propane-1,2-diol 57-55-6	LC50	51,600 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propane-1,2-diol 57-55-6	EC50	18,340 mg/l	Daphnia	48 h	Ceriodaphnia dubia	other guideline:
Propane-1,2-diol 57-55-6	EC50	24,200 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propane-1,2-diol 57-55-6	NOEC	15,000 mg/l	Algae	14 d	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propane-1,2-diol 57-55-6	EC50	> 1,000 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	**Result**	**Route of application**	**Degradability**	**Method**
Citric acid 77-92-9	readily biodegradable	aerobic	79 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Alcohols, C8-10, ethoxylated propoxylated~ 68603-25-8	readily biodegradable	no data	> 60 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Alcohols, C8-10, ethoxylated propoxylated~ 68603-25-8	inherently biodegradable	no data	> 70 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
oxalic acid, dihydrate 6153-56-6		aerobic	> 60 %	OECD 301 A - F
oxalic acid, dihydrate 6153-56-6	readily biodegradable	aerobic	89 %	EU Method C.5 (Degradation: Biochemical Oxygen Demand)
Alcohols, C13-15-branched and linear, butoxylated ethoxylated 111905-53-4	readily biodegradable	no data	> 60 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Propane-1,2-diol 57-55-6	readily biodegradable	aerobic	> 81.7 - 100 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method

Citric acid 77-92-9	> -1.8 - -1.6					other guideline:
oxalic acid, dihydrate 6153-56-6	-1.7				23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Propane-1,2-diol 57-55-6	-1.07				20.5 °C	EU Method A.8 (Partition Coefficient)

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product: In consultation with the responsible local authority, must be subjected to special treatment: Neutralisation

Recommended cleanser: Clean the packaging with water.

Disposal for uncleaned package: Collection and delivery to recycling enterprise or other registered elimination institution.

SECTION 14. TRANSPORT INFORMATION

Dangerous Goods information:

Land Transport:
Classified as Dangerous Goods under the Land Transport Rule: Dangerous Goods 2005.

Land Transport:

UN no.:	3264
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphuric acid,Phosphoric acid)
Class or division:	8
Packing group:	II
Hazchem code:	2X

Marine transport IMDG:

UN no.:	3264
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphuric acid,Phosphoric acid)
Class or division:	8
Packing group:	II
EmS:	F-A ,S-B
Seawater pollutant:	-

Air transport IATA:

UN no.:	3264
Proper shipping name:	Corrosive liquid, acidic, inorganic, n.o.s. (Sulphuric acid,Phosphoric acid)
Class or division:	8
Packing group:	II
Packing instructions (passenger)	851
Packing instructions (cargo)	855

SECTION 15. REGULATORY INFORMATION

New Zealand regulatory information:
Classified as hazardous under the New Zealand Hazardous Substances and New Organisms Act (HSNO).

HSNO Approval Number: Group standard HSR002609

NZIoC: All components are listed or are exempt from listing on the New Zealand Inventory of Chemicals (NZIoC)

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:
STEL - Short term exposure limit
TWA - Time weighted average
HSNO - Hazardous Substances and New Organisms
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

Reason for issue: Reviewed SDS. Reissued with new date. involved chapters: 1-16

Date of previous issue: 11.01.2021

Disclaimer:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel New Zealand Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel New Zealand Limited concerning the properties of the material.
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