

# MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

BONDERITE C-SO Maxan CW Solvent Cleaner

DATE :

(MSDS date)

27.05.2022

**1. Manufacturer/Supplier :** PPS Industries Limited  
86 Hugo Johnston Drive, Auckland  
New Zealand  
P.O.Box 12823, Penrose, Auckland 1642  
Phone : 64 9 579-1001  
Facsimile : 64 9 579-9497  
Emergency Phone : 0800 657-894  
Website: www.ppsindustries.co.nz

**Emergency Information :** National Poison Centre 0800 764-766  
Chemcall 24/7 Emergency Response Service : 0800 243-622

**13. Disposal Considerations :** Product  
Recommendation - Consult local or national regulations to ensure proper disposal.

Packaging  
Disposal must be made according to official regulations.

**16. Other Information :** Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



## Safety Data Sheet

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BONDERITE C-SO MAXAN CW SOLVENT CLEANER known  
as P3 Maxan Cw 28Kg

SDS No. : 429776  
V001.3

Revision: 27.05.2022  
printing date: 04.07.2023

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product name:</b>	BONDERITE C-SO MAXAN CW SOLVENT CLEANER known as P3 Maxan Cw 28Kg
<b>Intended use:</b>	Paint stripping agents
<b>Supplier:</b>	Henkel New Zealand Ltd 2 Allens Rd Auckland, 2013 New Zealand Phone: +64 (9) 272-6710
<b>Emergency information:</b>	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:

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Route of Exposure</u>	<u>Target organ</u>
Acute toxicity	Category 4	Oral	
Skin irritation	Category 2		
Serious eye irritation	Category 2A		
Germ cell mutagenicity	Category 1B		
Carcinogenicity	Category 1B		
Target Organ Systemic Toxicant - Single exposure	Category 1		
Target Organ Systemic Toxicant - Single exposure	Category 3		Central nervous system
Target Organ Systemic Toxicant - Repeated exposure	Category 2		
Acute hazards to the aquatic environment	Category 3		

#### Hazard pictogram:



#### Signal word:

Danger

**Hazard statement(s):** H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H370 Causes damage to organs.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H402 Harmful to aquatic life.

**Precautionary Statement(s):**  
**Prevention:** P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe mist/vapours.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

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

**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
dichloromethane	75-09-2	70- < 90 %
Ethane-1,2-diol	107-21-1	10- < 20 %
methanol	67-56-1	10- < 20 %
Methyloxirane	75-56-9	0.1- < 1 %
Chloromethane	74-87-3	0.1- < 1 %
chloroform	67-66-3	0.1- < 1 %

### SECTION 4 FIRST AID MEASURES

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<b>Ingestion:</b>	Rinse mouth, do not induce vomiting, consult a doctor.
<b>Skin:</b>	Immediately wash skin thoroughly with soap and water. Seek medical advice.
<b>Eyes:</b>	Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.
<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>First Aid facilities:</b>	Eye wash and safety shower Normal washroom facilities
<b>Most important symptoms caused by exposure:</b>	Causes burns.
<b>Medical attention and special treatment:</b>	Treat symptomatically.

#### SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Improper extinguishing media:</b>	Water spray jet
<b>Decomposition products in case of fire:</b>	Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide. carbon monoxide Chlorine. Irritating organic vapours.
<b>Particular danger in case of fire:</b>	In case of fire toxic gases can be released.
<b>Special protective equipment for fire-fighters:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Additional fire fighting advice:</b>	Collect contaminated fire fighting water separately. It must not enter drains. In case of fire, keep containers cool with water spray.
<b>Hazchem code:</b>	2Z

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Wear protective equipment. Keep unprotected persons away.
<b>Environmental precautions:</b>	Absorb spill with inert material. Shovel material into appropriate container for disposal.
<b>Clean-up methods:</b>	Dispose of contaminated material as waste according to Section 13. Wash away residue with plenty of water. Do not empty into drains / surface water / ground water.

**SECTION 7. HANDLING AND STORAGE**

- Precautions for safe handling:** Ensure that workrooms are adequately ventilated.  
Avoid skin and eye contact.  
Gloves and safety glasses should be worn
- Conditions for safe storage:** Store in sealed original container.  
Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.  
Keep away from food, beverages and animal feed.  
Must be stored in the facility for the dangerous goods  
Store away from incompatible materials.

**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)
METHYLENE CHLORIDE 75-09-2		50	174	-	-	-
ETHYLENE GLYCOL (VAPOUR AND MIST) 107-21-1	Vapor and mist.	-	-	50 ppm	-	-
METHYL ALCOHOL 67-56-1		200	262	-	-	-
METHYL ALCOHOL		-	-	-	250	328
PROPYLENE OXIDE; 1,2-EPOXYPROPANE 75-56-9		2	4.8	-	-	-
METHYL CHLORIDE 74-87-3		50	103	-	-	-
METHYL CHLORIDE		-	-	-	100	207
CHLOROFORM 67-66-3		2	9.9	-	-	-

**Biological Exposure Indices:**

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
Methanol 67-56-1 [METHYL ALCOHOL]	Methyl alcohol	Urine	Sampling time: End of shift.	15 mg/l	NZ BEI		

- Engineering controls:** Use general ventilation.
- Eye protection:** Protective goggles
- Skin protection:** Suitable protective clothing  
Suitable protective gloves.  
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.
- General protection measures:** Avoid spraying/aerosol generation.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	colourless opaque
<b>Odor:</b>	ether-like
<b>Specific gravity:</b>	1.20 - 1.22

**SECTION 10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Excessive heat.
<b>Incompatible materials:</b>	Reaction with oxidants.
<b>Hazardous decomposition products:</b>	In case of fire toxic gases can be released.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Health Effects:**

**Ingestion:** Harmful if swallowed.  
May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.

**Skin:** Irritating to skin.  
Symptoms may include redness, burning, drying, cracking and skin burns.

**Eyes:** Causes serious eye irritation.  
Symptoms may include severe irritation, pain, tearing, blurred vision.

**Inhalation:** Vapours may cause drowsiness and dizziness.  
May cause irritation to nose and throat.

**Carcinogenicity:** Category 2 (Carcinogen), Suspected of causing cancer.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
dichloromethane 75-09-2	LD50 Acute toxicity estimate (ATE) LC50 LD50 Acute toxicity estimate (ATE)	> 2,000 mg/kg 2,500 mg/kg 86 mg/l > 2,000 mg/kg 2,500 mg/kg	oral oral inhalation dermal dermal	4 h	rat mouse rat	OECD Guideline 401 (Acute Oral Toxicity) Expert judgement not specified OECD Guideline 402 (Acute Dermal Toxicity) Expert judgement
Ethane-1,2-diol 107-21-1	Acute toxicity estimate (ATE) LD50	500 mg/kg 10,600 mg/kg	oral dermal		rabbit	Expert judgement not specified
methanol 67-56-1	Acute toxicity estimate (ATE)	300 mg/kg	oral			Expert judgement
Methyloxirane 75-56-9	LD50 Acute toxicity estimate (ATE) LC50 LD50	382 - 587 mg/kg 382 mg/kg 9.95 mg/l 950 mg/kg	oral oral inhalation dermal	4 h	rat rat rabbit	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) Expert judgement equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) not specified
Chloromethane 74-87-3	LC50	> 10557 ppm	inhalation	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
chloroform 67-66-3	LD50 LD50	908 mg/kg > 20,000 mg/kg	oral dermal		rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) not specified

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
dichloromethane 75-09-2	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Ethane-1,2-diol 107-21-1	not irritating	20 h	rabbit	BASF Test
methanol 67-56-1	not irritating	20 h	rabbit	BASF Test
Methyloxirane 75-56-9	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
dichloromethane 75-09-2	irritating		rabbit	not specified
Ethane-1,2-diol 107-21-1	not irritating		rabbit	BASF Test
methanol 67-56-1	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
dichloromethane 75-09-2	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Ethane-1,2-diol 107-21-1	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
methanol 67-56-1	not sensitising	Guinea pig maximisation test	guinea pig	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)
Methyloxirane 75-56-9	not sensitising	Split adjuvant test	guinea pig	Maguire Method
chloroform 67-66-3	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	EU Method B.42 (Skin Sensitisation: Local Lymph Node Assay)



**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
dichloromethane 75-09-2	positive positive	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
dichloromethane 75-09-2	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Ethane-1,2-diol 107-21-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ethane-1,2-diol 107-21-1	negative	oral: feed		rat	Chromosome Aberration Test
methanol 67-56-1	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian cell micronucleus test mammalian cell gene mutation assay	with and without without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) not specified equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
methanol 67-56-1	negative	intraperitoneal		mouse	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Methyloxirane 75-56-9	positive positive positive	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	with and without without without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay) equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Methyloxirane 75-56-9	negative negative	inhalation: vapour inhalation: vapour		rat rat	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) equivalent or similar to OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
chloroform 67-66-3	negative negative	bacterial reverse mutation assay (e.g Ames test) DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	with and without without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
chloroform 67-66-3	negative negative	oral: gavage oral: gavage		rat rat	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo) OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Repeated dose toxicity:**

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
dichloromethane 75-09-2	NOAEL=6 mg/kg	oral: drinking water	104 wdaily	rat	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Ethane-1,2-diol 107-21-1	NOAEL=150 mg/kg	oral: feed	16 wdaily	rat	equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
methanol 67-56-1	NOAEL=6.63 mg/l	inhalation: vapour	4 weeks 6 h/d, 5 d/w	rat	equivalent or similar to OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14- Day)
methanol 67-56-1	NOAEL=0.13 mg/l	inhalation: vapour	12 m20 h/d	rat	equivalent or similar to OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Methyloxirane 75-56-9		inhalation: vapour	123 w6 h/d, 5 d/w	rat	equivalent or similar to OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
chloroform 67-66-3		inhalation: vapour	13 w6 h/d	mouse	EU Method B.29 (Sub- Chronic Inhalation Toxicity Test:90-Day Repeated Inhalation Dose Study Using Rodent Species)
chloroform 67-66-3	LOAEL=15 mg/kg	oral: capsule	7.5 y6 d/w	dog	EU Method B.33 (Combined Chronic Toxicity / Carcinogenicity Test)

**SECTION 12. ECOLOGICAL INFORMATION**

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

**Ecotoxicity:** Harmful to aquatic life.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
dichloromethane 75-09-2	LC50	193 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test) other guideline:
dichloromethane 75-09-2	NOEC	83 mg/l	Fish	28 d	Pimephales promelas	
dichloromethane 75-09-2	EC50	27 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
dichloromethane 75-09-2	EC50	> 660 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
dichloromethane 75-09-2	EC50	2,590 mg/l	Bacteria	40 min	activated sludge, domestic	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Ethane-1,2-diol 107-21-1	LC50	72,860 mg/l	Fish	96 h	Pimephales promelas	EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians) other guideline:
Ethane-1,2-diol 107-21-1	NOEC	15,380 mg/l	Fish	7 d	Pimephales promelas	
Ethane-1,2-diol 107-21-1	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethane-1,2-diol 107-21-1	EC50	> 6,500 - 13,000 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethane-1,2-diol 107-21-1	NOEC	> 100 mg/l	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethane-1,2-diol 107-21-1	EC20	> 1,995 mg/l	Bacteria	30 min	activated sludge, domestic	ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge)
methanol 67-56-1	LC50	15,400 mg/l	Fish	96 h	Lepomis macrochirus	EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians)
methanol 67-56-1	NOEC	7,900 mg/l	Fish	200 h	Oryzias latipes	OECD Guideline 210 (fish early life stage toxicity test)
methanol 67-56-1	EC50	18,260 mg/l	Daphnia	96 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
methanol 67-56-1	EC50	22,000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
methanol 67-56-1	IC50	> 1,000 mg/l	Bacteria	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Methyloxirane 75-56-9	LC50	32 mg/l	Fish	14 d	Poecilia reticulata	OECD Guideline 204 (Fish, Prolonged Toxicity Test; 14-day Study)

Methyloxirane 75-56-9	LC50	52 mg/l	Fish	96 h	Oncorhynchus mykiss	EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians) other guideline:
Methyloxirane 75-56-9	EC50	350 mg/l	Daphnia	48 h	Daphnia magna	
Methyloxirane 75-56-9	EC50	240 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	other guideline:
Chloromethane 74-87-3	LC50	550 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Chloromethane 74-87-3	EC50	> 550 mg/l	Algae	7 d	Microcystis aeruginosa	OECD Guideline 201 (Alga, Growth Inhibition Test) not specified
Chloromethane 74-87-3	NOEC	500 mg/l	Bacteria	24 h		
chloroform 67-66-3	LC50	71 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test) other guideline:
chloroform 67-66-3	NOEC	1.463 mg/l	Fish	270 d	Oryzias latipes	
chloroform 67-66-3	EC50	65.7 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
chloroform 67-66-3	EC50	950 mg/l	Algae	48 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
chloroform 67-66-3	EC10	360 mg/l	Algae	48 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
chloroform 67-66-3	EC50	840 mg/l	Bacteria	30 min	not specified	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
dichloromethane 75-09-2	readily biodegradable	aerobic	68 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Ethane-1,2-diol 107-21-1	readily biodegradable	aerobic	> 90 - 100 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)
methanol 67-56-1	readily biodegradable	aerobic	82 - 92 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Methyloxirane 75-56-9	readily biodegradable	aerobic	86 - 96 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Chloromethane 74-87-3	under test conditions no biodegradation observed	aerobic	1 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
chloroform 67-66-3	not readily biodegradable.	aerobic	0 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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dichloromethane 75-09-2		2 - 40	42 d	Cyprinus carpio	25 °C	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
dichloromethane 75-09-2	1.25				20 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Ethane-1,2-diol 107-21-1	-1.36					QSAR (Quantitative Structure Activity Relationship)
methanol 67-56-1		< 10	72 h	Leuciscus idus melanotus		not specified
methanol 67-56-1	-0.77					other guideline:
Methyloxirane 75-56-9	< 1				20 °C	other (measured)
Chloromethane 74-87-3	0.91					not specified
chloroform 67-66-3		4.1 - 13	42 d	Cyprinus carpio	25 °C	OECD Guideline 305 (Bioconcentration: Flow-through Fish Test)
chloroform 67-66-3	2				25 °C	not specified

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Waste disposal of product:** Collection and delivery to recycling enterprise or other registered elimination institution.

**Disposal for uncleaned package:** Use packages for recycling only when totally empty.

**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.: 1593  
 Proper shipping name: DICHLOROMETHANE (solution)  
 Class or division: 6.1  
 Packing group: III  
 Hazchem code: 2Z

**Marine transport IMDG:**

UN no.: 1593  
 Proper shipping name: DICHLOROMETHANE (solution)  
 Class or division: 6.1  
 Packing group: III  
 EmS: F-A ,S-A  
 Seawater pollutant: -

**Air transport IATA:**

UN no.: 1593  
 Proper shipping name: Dichloromethane (solution)  
 Class or division: 6.1  
 Packing group: III  
 Packing instructions (passenger): 655  
 Packing instructions (cargo): 663

**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:** HSR002616

**Site and Storage:** Refer to the site and storage requirements for this Group Standard.  
Refer to the HSNO controls for approved hazardous substances.

**NZIoC:** Compliant for NZIOC

**SECTION 16. OTHER INFORMATION**

**Abbreviations/acronyms:** HSNO - Hazardous Substances and New Organisms  
STEL - Short term exposure limit  
TWA - Time weighted average  
GHS: Globally Harmonized System  
CAS: Chemical Abstracts Service  
LD 50: Lethal Dose 50%  
LC 50: Lethal Concentration 50%  
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:** 31.05.2017

**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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