## SAFETY DATA SHEET

PF186 HS Direct to Metal Primer Surfacer



#### Section 1. Identification **Product identifier** : PF186 HS Direct to Metal Primer Surfacer **Product type** : Liquid. Relevant identified uses of the substance or mixture and uses advised against **Identified uses** Use in coatings - Priming materials and coatings Uses advised against Not applicable. **Supplier's details** Valspar b.v. Zuiveringweg 89 8243 PE Lelystad The Netherlands tel: +31 (0)320 292200 fax: +31 (0)320 292201 **Supplier** Valspar Automotive Australia Pty Limited 4 Hawke Street Kincumber NSW 2251 **AUSTRALIA** T: +612 4368 4054 E: autoinfo@valspar.com www.octoral.com **Emergency telephone** : CHEMTREC +(61) 290372994 (Available 24hrs/7 days a week) Poisons Information Centre: Australia 131 126 number Section 2. Hazard(s) identification **Classification of the** : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A substance or mixture SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) -Category 3 **GHS** label elements **Hazard pictograms**

: DANGER

Signal word

Hazard statements : Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary statements	2			
Prevention		e or face protection. Keep nd other ignition sources. N		
Response	Rinse ca	ED: Call a POISON CENT utiously with water for seve to do. Continue rinsing. If	ral minutes. Remove	contact lenses, if present
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## Section 2. Hazard(s) identification

Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> </ul>
Supplemental label elements	: Not applicable.

Other hazards which do not : None known. result in classification

## Section 3. Composition and ingredient information

Substance/mixture

: Mixture

Ingredient name	% (w/w)	CAS number
heptan-2-one	≥10 - ≤30	110-43-0
acetone	≤10	67-64-1
n-butyl acetate	≤3	123-86-4
butan-1-ol	<3	71-36-3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

<u>Description of necessary first aid measures</u>				
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.			
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.			
Skin contact	<ul> <li>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.</li> </ul>			
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.			

#### Most important symptoms/effects, acute and delayed

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## Section 4. First aid measures

Potential acute health effe	<u>ets</u>	
Eye contact	: Causes serious eye irritation.	
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.	r
Skin contact	: No known significant effects or critical hazards.	
Ingestion	: Can cause central nervous system (CNS) depression.	
Over-exposure signs/sym	<u>ptoms</u>	
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness	
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	
Skin contact	: No specific data.	
Ingestion	: No specific data.	
Indication of immediate me	dical attention and special treatment needed, if necessary	
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delay. The exposed person may need to be kept under medical surveillance for 48 hours	
Specific treatments	: No specific treatment.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. I is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	;

See toxicological information (Section 11)		
Section 5. Firefighting measures		

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: Highly flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	<ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</li> </ul>

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## Section 5. Firefighting measures

Hazchem code

### Section 6. Accidental release measures

: •3YE

<b>Personal</b>	precautions,	protective ec	uipment and	emergency	procedures

For non-emergency personnel	•	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains

vironmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

#### Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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## Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well- ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to

## Section 8. Exposure controls and personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limitsSafe Work Australia (Australia, 12/2019).TWA: 233 mg/m³ 8 hours.TWA: 50 ppm 8 hours.		
heptan-2-one			
acetone	Safe Work Australia (Australia, 12/2019). STEL: 2375 mg/m <sup>3</sup> 15 minutes. STEL: 1000 ppm 15 minutes. TWA: 1185 mg/m <sup>3</sup> 8 hours. TWA: 500 ppm 8 hours.		
n-butyl acetate	Safe Work Australia (Australia, 12/2019). STEL: 950 mg/m <sup>3</sup> 15 minutes. STEL: 200 ppm 15 minutes. TWA: 713 mg/m <sup>3</sup> 8 hours. TWA: 150 ppm 8 hours.		
butan-1-ol	Safe Work Australia (Australia, 12/2019). Absorbed through skin. PEAK: 152 mg/m <sup>3</sup> 8 hours. PEAK: 50 ppm 8 hours.		

Appropriate engineering : controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Environmental exposure : controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures	
Hygiene measures :	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection :	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: chemical splash goggles and/or face shield.
Skin protection	

## Section 8. Exposure controls and personal protection

Hand protection	<ul> <li>Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. &gt; 8 hours (breakthrough time): Recommended EN 374 butyl rubber nitrile rubber polyvinyl alcohol (PVA) &gt;= 0.7 mm</li> <li>A hour (breakthrough time): Conditionally suitable materials for protective gloves; EN 374: Nitrile rubber - NBR (&gt;= 0.35 mm). Only suitable as splash protection. Only suitable for brief exposure. In the event of contamination, change protective gloves immediately.</li> </ul>
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Recommended: Cotton or cotton/synthetic overalls or coveralls are normally suitable.
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: EN 405:2001 + A1:2009 organic vapour (Type A) and particulate filter FFA2P3 R D

## Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### **Appearance**

Physical state	: Liquid.
Colour	: Grey.
Odour	: Not available.
Odour threshold	: Not available.
рН	: Not applicable.
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: >56°C (>132.8°F)
Flash point	: Closed cup: -18 to 23°C (-0.4 to 73.4°F)
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not available.

#### Vapour pressure

	Va	Vapour Pressure at 20°C			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
acetone	180.01	24					
methanol	126.96	16.9					
benzene	75.01	10					
toluene	23.17	3.1					
n-butyl acetate	11.25	1.5	DIN EN 13016-2				
ethylbenzene	9.3	1.2					
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# Section 9. Physical and chemical properties and safety characteristics

heptan-2-one	6.88	0.92			
butan-1-ol	<7.5	<1	DIN EN 13016-2		
xylene	6.7	0.89			
styrene	6.4	0.85			
cumene	3.72	0.5			
2-methoxy-1-methylethyl acetate	2.7	0.36	OECD 104		
mesitylene	2.4	0.32			
1,2,4-trimethylbenzene	2.25	0.3			
Solvent naphtha (petroleum), light arom.	1.5	0.2			
trimethylbenzene	1.35 to 1.88	0.18 to 0.25			
1,2,3-trimethylbenzene	1.35	0.18			
Formaldehyde	1	0.13			
aluminium hydroxide	<0.08	<0.011			
naphthalene	0.05	0.0067	OECD 104		
trizinc bis(orthophosphate)	0	0			
zinc oxide	0	0			
propylidynetrimethanol	0	0			
Relative vapour density	: Not av	/ailable.			
Relative density	: 1.41				
Density	: 1.41 g	J/cm³			
Solubility(ies)	:				
Media	F	Result			
cold water hot water		lot soluble lot soluble			
Solubility in water	olubility in water : Not available.				

#### Partition coefficient: n- : Not applicable.

#### octanol/water

#### Auto-ignition temperature :

Ingredient name	°C	°F	Method		
Solvent naphtha (petroleum), light arom.	280 to 470	536 to 878			
2-methoxy-1-methylethyl acetate	333	631.4	DIN 51794		
butan-1-ol	355	671	EU A.15		
heptan-2-one	393	739.4			
n-butyl acetate	415	779	EU A.15		
cumene	424	795.2			
Formaldehyde	430	806			
xylene	432	809.6			
ethylbenzene	432.22	810			
methanol	455	851	DIN 51794		
acetone	465	869			
trimethylbenzene	470 to 550	878 to 1022			
1,2,3-trimethylbenzene	470	878			
toluene	480	896			
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## Section 9. Physical and chemical properties and safety characteristics

	styrene		490	914	
	benzene		498	928.4	
	1,2,4-trimethylbenzene		500	932	
	naphthalene		526 to 587	978.8 to 1088.6	DIN 51794
	mesitylene		559	1038.2	
C	Decomposition temperature :	Not availab	le.		
V	/iscosity :	Not availab	le.		
E	Particle characteristics				

### Median particle size : Not applicable.

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

#### Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
heptan-2-one	LC50 Inhalation Vapour	Rat	16.8 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1600 mg/kg	-
acetone	LC50 Inhalation Vapour	Rat	76 mg/l	4 hours
	LD50 Dermal	Rabbit	>15800 mg/kg	-
	LD50 Oral	Rat	5800 mg/kg	-
n-butyl acetate	LC50 Inhalation Gas.	Rat	390 ppm	4 hours
-	LC50 Inhalation Vapour	Rat	>21.1 mg/l	4 hours
	LD50 Dermal	Rabbit	>14112 mg/kg	-
	LD50 Oral	Rat	10760 mg/kg	-
butan-1-ol	LC50 Inhalation Vapour	Rat	24000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-

#### Irritation/Corrosion

## Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
heptan-2-one	Skin - Mild irritant	Rabbit	-	24 hours 14	-
				mg	
acetone	Eyes - Mild irritant	Human	-	186300 ppm	-
	Eyes - Mild irritant	Rabbit	-	10 uL	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20	-
				mg	
	Eyes - Severe irritant	Rabbit	-	20 mg	-
	Skin - Mild irritant	Rabbit	-	395 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
n-butyl acetate	Eyes - Moderate irritant	Rabbit	-	100 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				mg	
butan-1-ol	Eyes - Severe irritant	Rabbit	-	0.005 MI	-
	Eyes - Severe irritant	Rabbit	-	24 hours 2	-
				mg	
	Skin - Moderate irritant	Rabbit	-	24 hours 20	-
				mg	

#### **Sensitisation**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
heptan-2-one	Category 3	-	Narcotic effects
acetone	Category 3	-	Narcotic effects
n-butyl acetate	Category 3	-	Narcotic effects
butan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

#### Information on likely routes : Not available. of exposure

Potential	acute	health	effects	

Eye contact	: Causes serious eye irritation.
Inhalation	: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: Can cause central nervous system (CNS) depression.

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## Section 11. Toxicological information

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: No specific data.
Ingestion	: No specific data.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health eff	ects
Not available.	
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

#### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	(gases)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
PF186 HS Direct to Metal Primer Surfacer	7250.8	N/A	N/A	84	N/A
heptan-2-one	1600	N/A	N/A	16.8	N/A
acetone	5800	N/A	N/A	76	N/A
n-butyl acetate	10760	N/A	N/A	N/A	N/A
butan-1-ol	790	3400	N/A	24	N/A

## Section 12. Ecological information

**Toxicity** 

## Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
heptan-2-one	Acute LC50 131000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
acetone	Acute EC50 20.565 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 4.42589 ml/L Marine water	Crustaceans - Acartia tonsa -	48 hours
		Copepodid	
	Acute LC50 10000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5540 mg/l	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 4.95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0.016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0.1 ml/L Fresh water	Daphnia - Daphnia magna -	21 days
		Neonate	
	Chronic NOEC 5 µg/l Marine water	Fish - Gasterosteus aculeatus -	42 days
		Larvae	
n-butyl acetate	Acute EC50 397 mg/l	Algae - Selenastrum	72 hours
		capricornutum	
	Acute EC50 44 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 32 mg/I Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 18 mg/l	Fish - Pimephales promelas	96 hours
	Acute NOEC 200 mg/l	Algae	72 hours
butan-1-ol	Acute EC50 225 mg/l	Algae - Desmodesmus	96 hours
		subspicatus	
	Acute EC50 1328 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 1376 mg/l	Fish - Pimephales promelas	96 hours
	Chronic NOEC 4.1 mg/l	Daphnia - Daphnia magna	21 days

#### Persistence and degradability

Product/ingredient name	Test	Result	D	ose	Inoculum
heptan-2-one n-butyl acetate butan-1-ol	- OECD 301D Ready Biodegradability - Closed Bottle Test OECD 301E Ready Biodegradability - Modified OECD Screening Test	>70 % - 19 days	days - - -		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodegradability
heptan-2-one n-butyl acetate butan-1-ol	- - -		- - -		Readily Readily Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
heptan-2-one	2.26	-	low
acetone	-0.23	-	low
n-butyl acetate	2.3	-	low
butan-1-ol	1	-	low

#### **Mobility in soil**

Soil/water	oartit	tion
coefficient	(Koc)	

: Not available.

: 12/16/2022

#### **Other adverse effects**

: No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	ADG	ADR/RID	IMDG	IATA
UN number	UN1263	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT	Paint
Transport hazard class(es)	3			3
Packing group	11	11	11	II
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.

Additional information	
ADG	: <u>Hazchem code</u> •3YE <u>Special provisions</u> 163
ADR/RID	<ul> <li>The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.</li> <li><u>Hazard identification number</u> 33</li> <li><u>Limited quantity</u> 5 L</li> <li><u>Special provisions</u> 163, 640C, 650</li> <li><u>Tunnel code</u> (D/E)</li> </ul>
IMDG	<ul> <li>The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.</li> <li><u>Emergency schedules</u> F-E, _S-E_</li> <li><u>Special provisions</u> 163</li> </ul>
ΙΑΤΑ	<ul> <li>The environmentally hazardous substance mark may appear if required by other transportation regulations.</li> <li><u>Quantity limitation</u> Passenger and Cargo Aircraft: 5 L. Packaging instructions: 353. Cargo Aircraft Only: 60 L. Packaging instructions: 364. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y341.</li> <li><u>Special provisions</u> A3, A72</li> </ul>
Special precautions for use	<ul> <li>Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.</li> </ul>

## Section 14. Transport information

Transport in bulk according : Not available. to IMO instruments

## Section 15. Regulatory information

#### Standard for the Uniform Scheduling of Medicines and Poisons

5

#### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

#### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.

#### **Montreal Protocol**

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

#### **Inventory list**

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: Not determined.
Eurasian Economic Union	: Russian Federation inventory: Not determined.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: All components are listed or exempted.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

## Section 16. Any other relevant information

<u>History</u>	
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## Section 16. Any other relevant information

Key to abbreviations	: ADG = Australian Dangerous Goods
	ADR = The European Agreement concerning the International Carriage of
	Dangerous Goods by Road
	ATE = Acute Toxicity Estimate
	BCF = Bioconcentration Factor
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	IATA = International Air Transport Association
	IBC = Intermediate Bulk Container
	IMDG = International Maritime Dangerous Goods
	LogPow = logarithm of the octanol/water partition coefficient
	MARPOL = International Convention for the Prevention of Pollution From Ships,
	1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
	N/A = Not available
	SGG = Segregation Group
	SUSMP = Standard Uniform Schedule of Medicine and Poisons
	UN = United Nations

#### Procedure used to derive the classification

0 )	On basis of test data
5 5	Calculation method Calculation method

**References** : Not available.

✓ Indicates information that has changed from previously issued version.

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