

Page 1 of 7 PRO1-005

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 1272/2008/EC & GHS Standards

SDS Revision: 1.0

SDS Revision Date: 2/22/2021

Classification of the Hazardous Chemical (in accordance with WHS Regulation) 1. PRODUCT & COMPANY IDENTIFICATION Product Name: ProOne® BIO-STABLE WATER SOLUBLE CUTTING FLUID 1.2 Chemical Name: 1.3 Synonyms: 1.4 Trade Names: ProOne® Bio-Stable Water Soluble Cutting Fluid 1.5 Product Uses & Restrictions Soluble Cutting Fluid 1.6 Distributor's Name Pro-1-One Lubrication Australia PTY LTD 1.7 Distributor's Address: Unit 2, 198 Walters Rd, Arndell Park, NSW, 2199, Sydney, Australia 1.8 Emergency Phone: Poisons Information Centre: Australia: 13 11 26 New Zealand: 0800 764 766 1.9 Business Phone / Fax: Tel: +61 1300 00 7761

2. HAZARDS IDENTIFICATION

2.1 Hazard Identification:

This product is classified as a HAZARDOUS SUBSTANCE but not as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this SDS.

WARNING! HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. HARMFUL IF INHALED.

Classification: Acute Inh. Tox 4, Acute Oral Tox. 4, Skin Irrit. 2; Eye Irrit. 2

<u>Hazard Statements</u> (H): H302 – Harmful if swallowed. H315 – Causes skin irritation. H319 – Causes serious eye irritation. H332 – harmful if inhaled.

Precautionary Statements (P): P260 – Do not breathe fumes/mist/vapors/spray. P264 – Wash thoroughly with soap and water after handling. P270 – Do not eat, drink or smoke while using this product. P271 – Use only outdoors or in a well-ventilated area. P280- Wear protective gloves/ eye protection/ face protection. P301+P312 – IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P302+P352 – IF ON SKIN: Wash with plenty of soap and water. P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 – Call a POISON CENTER/doctor if you feel unwell. P321 – Specific treatment: see this container label. P322+P313 – If skin irritation occurs: Get medical advice/attention. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention. P362+P364 – Take off contaminated clothing and wash it before reuse. P405 – Store locked up. P501 – Dispose of contents/container in authorized/licensed Treatment, Storage and Disposal Facility (TSDF).

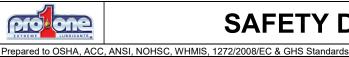


				ENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³)						a /m³\			
			·		ACGIH		NOHSC		OSHA		g/m)		
			•		pp			ppm			ppm		
					P P P		ES-	ES-	ES-				
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
BRASSICA NAPUS (CANOLA) OIL	120962-03-0	NA	NA	40-70	NA	NA	NF	NF	NF	NA	NA	NA	
BRASSICA NAPUS (CANOLA) OIL													
EMULSIFIER	NA	NA	NA	5-25	NA	NA	NF	NF	NF	NA	NA	NA	
EMULSIFIER													
POLYMER	NA	NA	NA	5-20	NA	NA	NF	NF	NF	NA	NA	NA	
POLYMER													
(POLY(OXY-1,2-ETHANEDIYL),	68071-17-0	NA	NA	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
.ALPHAISODECYLOMEGA HYDROXY-, PHOSPHATE, POTASSIUM SALT)	Skin Irrit. 2; Ey	re Irrit. 2; H315,	H319										
NAVATER (ACULA/EALI)	7732-18-5	ZC0110000	231-791-2	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
WATER (AQUA/EAU)													
D. O. DDODDISTADY	NA	NA	NA	≤ 5.0	NA	NA	NF	NF	NF	NA	NA	NA	
ProOne PROPRIETARY													
4 (O NITRORUTY) MORRIJOJINE	2224-44-4	QE7397000	218-748-3	≤ 3.0	NA	20	NF	NF	NF	NA	NA	NA	Skin
4-(2-NITROBUTYL) MORPHOLINE	Acute Inh. Tox	. 4; Acute Oral 1	ox. 4; Skin Irrit.	2; Skin Sen	s. 1; Ey	e Dam.	1; Aqua	atic Acu	te1; H3	02, H3	312, H31	5, H31	7, H318, H400
4. FIRST AID MEASURES													



Page 2 of 7 PRO1-005

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 1272/2008/EC & GHS Standards SDS Revision: 1.0 SDS Revision Date: 2/22/2021 DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control Ingestion: Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following Eyes: use, consult a physician or emergency room immediately. Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek Skin: prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned. Remove victim to fresh air at once. If breathing is difficult, administer supplemental oxygen and seek Inhalation: immediate medical attention. If breathing stops, perform artificial respiration.



SDS Revision: 1.0

Page 3 of 7 PRO1-005

SDS Revision Date: 2/22/2021

Classification of the Hazardous Chemical (in accordance with WHS Regulation) 4. FIRST AID MEASURES - cont'd Effects of Exposure: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Ingestion: May cause transient mild-eye irritation with short-term contact with liquid, spray or mist. Eyes: This product can cause mild, transient skin irritation with short-term exposure. This product can cause Skin: allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. Inhalation: No significant adverse health effects are expected to occur upon short-term exposure to this product. Aspiration of liquid into the lungs can cause severe lung damage or death. 4.3 Symptoms of Overexposure Overexposure in eyes may cause redness, itching and watering. Eyes: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas The product Skin: can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause Acute Health Effects: 4.4 drowsiness, dizziness, headaches and nausea. 4.5 Chronic Health Effects: Prolonged exposure to this product may cause skin dryness or dermatitis. 4.6 Target Organs: Eyes, skin & respiratory system. Medical Conditions Aggravated by Exposure: 4.7 Pre-existing dermatitis, other skin conditions, and disorders of the 1 target organs (eyes, skin, and respiratory system). **FLAMMABILITY** 1 0 PHYSICAL HAZARDS PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This material can burn but will not readily ignite. This material will release vapors when heated above the flash point temperature that can ignite when exposed to a source of ignition. In enclosed spaces, heated vapor can ignite with explosive force. Mists or sprays may burn at temperatures below the flash point. Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and trace oxides of sulfur, phosphorus and nitrogen. Also, depending upon the conditions of use, low concentrations of hydrogen sulfide can be released. 5.2 Extinguishing Methods: Dry chemical, foam, carbon dioxide, and water fog. 5.3 Firefighting Procedures: Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Avoid spraying water directly into storage containers because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES 6.1 Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION Use normal hygiene practices. Avoid breathing vapors. Avoid direct skin contact. Wash hands thoroughly after using Work & Hygiene Practices: this product and before eating, drinking, or smoking. Use and store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks, and other 7.2 Storage & Handling: possible sources of ignition. Do not store in unmarked containers or storage devices. Recommended maximum shelf life: 36 months. Special Precautions: Empty containers may contain product residue. Do not pressurize, cut, heat or weld empty containers. Do not reuse 7.3 empty containers without commercial cleaning or reconditioning. Keep container tightly closed when not in use. Do not store at temperatures above 120°F (49°C) Store away from strong oxidizers



Page 4 of 7 PRO1-005

SDS Revision: 1.0 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 1272/2008/EC & GHS Standards SDS Revision Date: 2/22/2021 Classification of the Hazardous Chemical (in accordance with WHS Regulation) 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: ACGIH NOHSC OTHER ppm (mg/m³) STEL CHEMICAL NAME(S) **ES-STEL ES-PEAK** STEL IDLH MIST OIL MIST 5 NA 5 NF NF 5 NA NA 8.2 When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ventilation & Engineering Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes 8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia. 8.4 Eve Protection: Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. 8.5 Hand Protection: Use gloves constructed of chemical resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states. Body Protection: 8.6 Avoid prolonged and/or repeated skin contact. Use clean and impervious protective clothing (e.g., neoprene or Tyvek®) if splashing or spraying conditions are present. Protective clothing should include long-sleeves, apron, boots and additional facial protection. Remove contaminated clothing. Launder contaminated clothing before reusing. Contaminated leather goods should be removed promptly and discarded. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water. 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Appearance: Liquid, amber color 9.2 Odor Mild odor Odor Threshold: 9.3 NA 9.4 7.75 9.5 Melting Point/Freezing Point: NA 9.6 Initial Boiling Point/Boiling > 260 °C (> 500 °F) Range: 9.7 Flashpoint: 150 °C (315 °F) Upper/Lower Flammability 9.8 NA Limits: Vapor Pressure: 9.9 < 0.1 9.10 Vapor Density: > 2.0 9.11 Relative Density: 0.95 Solubility: 9.12 Soluble in water 9.13 Partition Coefficient (log Pow): NA Autoignition Temperature 9.14 NA 9.15 Decomposition Temperature: NA 9.16 Viscosity NA Other Information: 9.17 VOC < 1% 10. STABILITY & REACTIVITY 10 1 Stability: Stable at normal temperatures. 10.2 Hazardous Decomposition Fumes, smoke, carbon monoxide, silicon oxides. Products 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid: Open flames, sparks, high heat, and close proximity to incompatible substances. 10.5 Incompatible Substances: Strong oxidizing agents 11. TOXICOLOGICAL INFORMATION Absorption: YES Ingestion: YES Routes of Entry: 11.1 This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is 11.2 Toxicity Data: available for some of the components of the product and is not presented in this document. 11.3 Acute Toxicity: Moderate irritation to eyes and skin near affected areas. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested. 11.4 Chronic Toxicity Suspected Carcinogen 11.5 11.6 Reproductive Toxicity This product is not reported to produce reproductive toxicity in humans. Mutagenicity This product is not reported to produce mutagenic effects in humans Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This product is not reported to produce teratogenic effects in humans. Reproductive Toxicity: This product is not reported to produce reproductive effects in humans.



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SAFETY DATA SHEET

SDS Revision: 1.0

Page 5 of 7 PRO1-005

SDS Revision Date: 2/22/2021

Classification of the Hazardous Chemical (in accordance with WHS Regulation) 11. TOXICOLOGICAL INFORMATION – cont'd 11.7 Irritancy of Product: See section 4.3 11.8 Biological Exposure Indices: NE Physician Recommendations: 11.9 Treat symptomatically **ECOLOGICAL INFORMATION** 12. 12 1 Environmental Stability There are no specific data available for this product. 12.2 Effects on Plants & Animals There are no specific data available for this product Effects on Aquatic Life: 12.3 There are no specific data available for this product 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Dispose of in accordance with federal, state, provincial and local hazardous waste laws Special Considerations: 13.2 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR 14.1 49 CFR (GND): NOT REGULATED 14.2 IATA (AIR) NOT REGULATED IMDG (OCN): 14.3 **NOT REGULATED** 14 4 TDGR (Canadian GND): **NOT REGULATED** 14.5 ADR/RID (EU): **NOT REGULATED** SCT (MEXICO) 14.6 NOT REGULATED 14.7 ADGR (AUS): NOT REGULATED REGULATORY INFORMATION SARA Reporting 15.1 This product does not contain any substances subject to SARA Title III, section 313 reporting requirements. Requirements: 15.2 SARA Threshold Planning There are no specific Threshold Planning Quantities for the components of this product. 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory. 15.4 CERCLA Reportable Quantity NA (RQ): 15.5 Other Federal Requirements: This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA Other Canadian Regulations: 15.6 This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects) 15.7 State Regulatory Information: Canola Oil is found on the following state criteria list: Pennsylvania Right-to-Know List (PA) and New Jersey Right-to-Know List (NJ). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI) 15.8 Other Requirements: The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC: Harmful (Xn). Risk Phrases: (R) 20/21/22 36 - Harmful by inhalation, in contact with skin and if swallowed. Safety Phrases: (S) 2-36-45 - Keep out of reach of children. Wear suitable protective clothing. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)



16.5

Prepared by:

SAFETY DATA SHEET

Page 6 of 7 PRO1-005

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NSW, 2199, Sydney, Australia Tel: +61 1300 00 7761 e-mail: info@pro-one.net.au http://www.pro-one.net.au

Sisters, Oregon 97759-0787 USA

ShipMate, Inc. P.O. Box 787

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Page 7 of 7 PRO1-005

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Classification of the Hazardous Chemical (in accordance with WHS Regulation)

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number				
EXPOSURE	LIMITS IN AIR:				
ACGIH American Conference on Governmental Industrial Hygienists					
C Ceiling Limit					
ES	Exposure Standard (Australia)				
IDLH	Immediately Dangerous to Life and Health				
OSHA	U.S. Occupational Safety and Health Administration				
PEL	Permissible Exposure Limit				
STEL	Short-Term Exposure Limit				
TLV Threshold Limit Value					
TWA	Time Weighted Average				

FIRST AID MEASURES:

CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



PERSONAL PROTECTION RATINGS:

Α			
В			
С			
D			
Е			
F		型	





Full Face Respirator

Splash Goggle













Boots Synthetic A

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask

OTHER STANDARD ABBREVIATIONS:

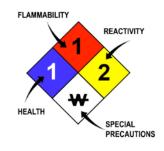
ML	Maximum Limit				
mg/m3	milligrams per cubic meter				
NA	NA Not Available				
ND	Not Determined				
NE	NE Not Established				
NF	Not Found				
NR	No Results				
ppm	parts per million				
SCBA	Self-Contained Breathing Apparatus				

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

NATIONAL FII	NATIONAL FIRE PROTECTION ASSOCIATION: NFPA							
FLAMMABILI	FLAMMABILITY LIMITS IN AIR:							
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition							
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source							
UEL Upper Explosive Limit - highest percent of vapor in air, by volume, the explode or ignite in the presence of an ignition source								

HAZARD RATINGS:

0	Minimal Hazard				
1	Slight Hazard				
2	Moderate Hazard				
3	Severe Hazard				
4	Extreme Hazard				
ACD	Acidic				
ALK	Alkaline				
COR	Corrosive				
₩	Use No Water				
ОХ	Oxidizer				
TREFOIL	Radioactive				
TOVICOL COLOAL INFORMATION:					



TOXICOLOGICAL INFORMATION:

10/10020010/12 1111 0/1111/110111					
LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals				
	5				
LC 50	Lethal concentration (gases) which kills 50% of the exposed animal				
ppm	Concentration expressed in parts of material per million parts				
TD _{lo}	Lowest dose to cause a symptom				
TCLo	Lowest concentration to cause a symptom				
TD _{Io} , LD _{Io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects				
TC, TC _o , LC _{io} , & LC _o					
IARC	International Agency for Research on Cancer				
NTP	National Toxicology Program				
RTECS	Registry of Toxic Effects of Chemical Substances				
BCF	Bioconcentration Factor				
TL _m	Median threshold limit				
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution				

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NOHSC	National Occupational Health and Safety Commission (Australia)
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	(*)	(a)	@	Ð	®		(R)
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

F.J.		M	*		*	X	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

			\Diamond			\line{\cdots}		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment