

Page 1 of 6

(10) WEEL

3 NIOSH

OIL MIST

NA OIL MIST

BC-022 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 10/25/2018 NZ DISTRIBUTOR 1. PRODUCT & COMPANY IDENTIFICATION Steve's Wholesale Ltd. Units 5 - 7 / 408 The Esplanade BIRCHWOOD CASEY ® BORE SCRUBBER® LIQUID Island Bay Wellington 6023 11 Product Name team@steveswholesale.nz 1.2 Chemical Name Mixture Emergency Contact: Steve Colling 1.3 Synonyms 33632 0800 303 303 Birchwood Casey [®] Bore Scrubber [®] Liquid 1.4 Trade Names: 0274 905 708 Poison Control 0800 POISON (0800 764 766) 1.5 Product Use: Cleaner/ Protector Distributor's Name: 1.6 Birchwood Casey, LLC Distributor's Address: 3260 Winpark Drive, New Hope, MN., 55427 USA 1.7 1.8 Emergency Phone: ChemTrec +1 (800) 424-9300 / +1 (703) 527-3887 or Poison Control Center +1 (866) 291-7152 1.9 Business Phone / Fax: +1 (952) 388-6717 2. HAZARDS IDENTIFICATION 2.1 Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. MAY CAUSE CANCER. FLAMMABLE LIQUID AND VAPOR. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Classification: Asp. Tox. 1, Flam. Liq. 3, Carc. 1A, Skin Sens. 1B, Eye Irrit. 2B 2.2 Label Elements: Hazard Statements (H): H304 - May be fatal if swallowed and enters airways. H350 - May Cause Cancer. H226 - Flammable liquid and vapor. H317 - May cause an allergic skin reaction. H320 -Causes eye irritation. Precautionary Statements (P): P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P261 - Avoid breathing fume/mist/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P264 - Wash thoroughly with soap and water after handling. P280 - Wear protective gloves/ eye protection/ face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 - Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. P308+P313 - IF exposed or concerned: Get medical advice/ attention. P370+P378 - In case of fire: Use Water, Foam, CO₂, Dry Chemical to extinguish. P403+P235 - Store in a well-ventilated place. Keep P501 - Dispose of contents/container through licensed treatment, storage or disposal facility. Other Warnings: 2.3 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. KEEP OUT OF REACH OF CHILDREN. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC OSHA ppm ppm ppm FS. FS. ES. RTECS No. EINECS No. TLV STEL PEL STEL IDLH OTHER CHEMICAL NAME(S) CAS No. TWA PEAK STEL DIPROPYLENE GLYCOL 34590-94-8 JM1575000 252-104-2 30-60 100 | 150 50 308 NF 100 NA 600 MONOMETHYL ETHER 8008-20-6 OA5500000 230-366-4 15-30 200 NA NF NF NF 100 NA NA SKIN KEROSENE (PETROLEUM) Asp. Tox.1; H304 112-80-1 RG2275000 204-007-1 3.0-15 NA NA NF NF NF NA NA NA OLEIC ACID

57-55-6

141-43-5

64741-53-3

64742-53-6

Carc. 1A; H350

Asp. Tox.1; H304

PROPYLENE GLYCOL

MONOFTHANOLAMINE

OXYGENATES, BARIUM

NAPHTHENIC PETROLEUM OIL

HEAVY PETROLEUM

NEUTRALIZED

TY2000000

KJ5775000

Skin Irrit. 3; Eye Irrit. 2; H316, H320

INA

lΝΑ

200-338-0

205-483-3

265-054-1

265-156-6

2.0-10

1.0-5.0

1.0-5.0

0.1-3.0

NA

NA

NA

(5) NA

(150)

3

(5)

474

NF

NF

NF

NF

NF

NF

NF

NA

3

(5)

(5)

NA

NA

10

10

NA

30

NA

3

(5)

Acute Toxicity-Oral 4; Acute Toxicity-Dermal 4; Skin Corrosion 1B; Acute Toxicity-Inhalation 4; H302, H312, H314, H332



Page 2 of 6

BC-022

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 10/25/2018 4. FIRST AID MEASURES First Aid: DO NOT INDUCE VOMITING. Contact Poison Control Center +1 (866) 291-7152 or the nearest Poison 4.1 Ingestion: Control 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 If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, Eyes: holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately. Skin: Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists and/or the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned. Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial Inhalation: respiration. Seek immediate medical attention. 4.2 Effects of Exposure: Ingestion: If product is swallowed, may cause nausea, temporary gastrointestinal irritation. Vomiting and/or diarrhea. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and Eyes: Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected. 4.3 Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. Acute Health Effects: 4.4 Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea Chronic Health Effects: 4.5 The material may accentuate any pre-existing dermatitis condition. 4.6 Target Organs: Eyes, Skin, Respiratory System 4.7 Medical Conditions Persons with pre-existing skin disorders, eye problems, or impaired **HEALTH** 3 Aggravated by Exposure: kidney function may be more susceptible to the effects of the substance. **FLAMMABILITY** 2 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT В LUNGS **EYES** SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO_x). Extinguishing Methods: 5.2 Water, Foam, CO₂, Dry Chemical. Use water spray to cool unopened containers. 5.3 Firefighting Procedures: Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. 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 selfcontained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies 6. ACCIDENTAL RELEASE MEASURES Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective 6.1 Spills: Equipment. CAUTION - may be slippery if spilled. 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.



Vapor Density:

Solubility:

Viscosity:

Other Information:

Relative Density:

Partition Coefficient (log Pow):

Decomposition Temperature:

Autoignition Temperature:

> 1

NA

NA

NA

NA

VOC: 84%; Evaporation rate < 1 (Ethyl Ether = 1)

0.926

Miscible

9.10

9.11

9.12

9.13

9 14

9 15

9.16

9.17

SAFETY DATA SHEET

Page 3 of 6

BC-022

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 10/25/2018 7. HANDLING & STORAGE INFORMATION 7 1 Work & Hygiene Practices: Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product. 7.2 Storage & Handling: Keep this material away from heat, sparks and open flame. Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Storage temperature: 32-120 °F (0-49 °C). Take precautionary measures against static discharge. Store away from incompatible materials (See Section 10). Special Precautions: 7.3 Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. **EXPOSURE CONTROLS & PERSONAL PROTECTION** NOHSC Exposure Limits: ACGIH OSHA OTHER ppm (mg/m³) ES-ES-CHEMICAL NAME(S) TLV STEL **ES-TWA** STEL PEAK PEL STEL IDLH DIPROPYLENE GLYCOL 100 150 100 NF NF 100 150 NA MONOMETHYL ETHER KEROSENE (PETROLEUM) 200 NA NF NF NF 100 NA NA SKIN PROPYLENE GLYCOL NA (150)474 NF NA NA (10) WEEL NA NA MONOETHANOLAMINE 3 NA 3 NF NF 3 NA 30 3 NIOSH HEAVY PETROLEUM OXYGENATES, BARIUM NF OIL MIST (5) NA 10 NA (5)(5) **NEUTRALIZED** NAPHTHENIC PETROLEUM OIL (5) NA (5) NF NF (5) 10 NA OIL MIST 8.2 Ventilation & Engineering When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an evewash station, sink or washbasin is available in case of exposure to eves 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 Eye 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: If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states 8.6 Body Protection: No apron required when handling small quantities. 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: Yellowish liquid Odor 9.2 Kerosene odor Odor Threshold: 9.3 NA 94 pH: 9.0 9.5 Melting Point/Freezing Point: NA 9.6 Initial Boiling Point/Boiling > 97.7 °C (> 208 °F) Range: 97 52.7 °C (127 °F) CC Flashpoint: 9.8 Upper/Lower Flammability NA Limits: 9.9 Vapor Pressure: NA



Page 4 of 6 **BC-022**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 10/25/2018

10.1		10. STABILITY & REACTIVITY			
	Stability:	Relatively stable under ambient conditions when stored properly.			
10.2	Hazardous Decomposition Products:	If exposed to <u>extremely high temperatures</u> , products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon & nitrogen).			
10.3	Hazardous Polymerization:	Will not occur.			
10.4	Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, spi	arks, flame.		
10.5	Incompatible Substances:	Strong oxidizers, peroxides or strong acids.			
		11. TOXICOLOGICAL INFORMATION			
11.1	Routes of Entry:		ngestion: YFS		
	,	128	* 120		
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found available for some of the components of the product and is presented below: LD _{50.} (oral, rat): 5,130 mg/kg (Dipropylene Glycol Monomethyl Ether); 1,720 mg/kg (mono-Ether)	anolamine)		
11.3	Acute Toxicity:	Moderate irritation to eyes and skin near affected areas. Additionally, high concentration drowsiness, dizziness, headaches and nausea.	ons of vapors can caus		
11.4	Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).			
11.5	Suspected Carcinogen:	Kerosene (Petroleum): AGIH A3 (confirmed animal carcinogen with unknown relevance to hum	ans)		
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 cause teratogenic effects in humans.			
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.			
1.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged c	or repeated exposure.		
1.8	Biological Exposure Indices:	NE V V V V V V V V V V V V V V V V V V V			
1.9	Physician Recommendations:	Treat symptomatically.			
		40 F001 001041 INFORMATION			
2.1	Environmental Stability	12. ECOLOGICAL INFORMATION			
2.1	Environmental Stability: Effects on Plants & Animals:	There are no specific data available for this product.			
12.2	Effects on Aquatic Life:	There are no specific data available for this product. There are no specific data available for this product.			
13.1	Waste Disposal:		Waste Disposal: Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropri		
		disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, an federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage an disposal of hazardous waste must be provided by a licensed facility or waste bauler.			
13.2	Special Considerations:	disposal of hazardous waste must be provided by a licensed facility or waste hauler.			
13.2	Special Considerations:				
13.2	Special Considerations:	disposal of hazardous waste must be provided by a licensed facility or waste hauler.			
The I	basic description (ID Number	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Ad	ent, transport, storage ar		
The I	basic description (ID Number	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION	ent, transport, storage ar		
The I	basic description (ID Number	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION The proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Advicac, IMDG and the CTDGR.	ent, transport, storage ar		
The I	basic description (ID Number	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION To proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. AdvICAO, IMDG and the CTDGR. CONSUMER COMMODITY, ORM-D – until 12/31/2020; or	ent, transport, storage ar		
The I may 4.1	basic description (ID Number	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION The proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. AdvicAO, IMDG and the CTDGR. CONSUMER COMMODITY, ORM-D – until 12/31/2020; or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III	ent, transport, storage ar		
Γhe I nay 4.1	basic description (ID Number be required by 49 CFR, IATA 49 CFR (GND):	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION To proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. AdvICAO, IMDG and the CTDGR. CONSUMER COMMODITY, ORM-D – until 12/31/2020; or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1993, FLAMMABLE LIQUID,	ditional descriptive information		
Γhe I may 4.1 4.2	basic description (ID Number be required by 49 CFR, IATA 49 CFR (GND):	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION T, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Ad wicao, IMDG and the CTDGR. CONSUMER COMMODITY, ORM-D – until 12/31/2020; or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III	ditional descriptive information		
4.1 4.2 4.3	basic description (ID Number be required by 49 CFR, IATA 49 CFR (GND): IATA (AIR)*:	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION To proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Add VICAO, IMDG and the CTDGR. CONSUMER COMMODITY, ORM-D – until 12/31/2020; or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III	ditional descriptive information		
4.1 4.2 4.3	basic description (ID Number be required by 49 CFR, IATA 49 CFR (GND): IATA (AIR)*: IMDG (OCN): TDGR (Canadian GND):	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION , proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Ad VICAO, IMDG and the CTDGR. CONSUMER COMMODITY, ORM-D – until 12/31/2020; or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 2.5 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L)	ditional descriptive information		
	basic description (ID Number be required by 49 CFR, IATA 49 CFR (GND): IATA (AIR)*: IMDG (OCN): TDGR (Canadian GND):	disposal of hazardous waste must be provided by a licensed facility or waste hauler. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION , proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Ad VICAO, IMDG and the CTDGR. CONSUMER COMMODITY, ORM-D – until 12/31/2020; or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 2.5 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L) UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA), 3, III (LTD QTY, IP VOL ≤ 5.0 L)	ditional descriptive information		



Page 5 of 6

BC-022

Drone	ared to OCUA ACC ANG	CL NOLICE WILINGS CHE 8 1272/2009/EC Standa	rde CDC Devision: 2.4	SDS Boyleign Date: 10/25/2019		
Prepa	ared to USHA, ACC, ANS	SI, NOHSC, WHMIS, GHS & 1272/2008/EC Standa	rds SDS Revision: 2.1	SDS Revision Date: 10/25/2018		
15. REGULATORY INFORMATION HSR002652						
15.1	45.4 OADA Disserting					
15.2	Requirements: SARA TPQ:	This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements.				
15.2	TSCA Inventory Status:	There are no specific Threshold Planning Quant	·	roduct.		
15.4	CERCLA Reportable Quantity:	The components of this product are listed on the	I SCA Inventory.			
15.4	Other Federal Requirements:	NA NA				
15.6	Other Canadian Regulations:	NA This product has been described asserting to	the begand criteria of the CD	ID and the MCDC		
15.0	Onei Canadian Regulations.	This product has been classified according to the hazard criteria of the CPR and the MSDS 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 Class B3, D2B (Flammable Liquid, Other Toxic Effects).				
15.7	State Regulatory Information:	Dipropylene Glycol Monomethyl Ether is found on the following state criteria lists: FL, MA, MN, PA, and WA. Kerosene (Petroleum) is found n the following state criteria lists: MA, NJ and PA. Heavy Petroleum Oxygenates, Barium Neutralized is found on the following state criteria list: MA. Propylene Glycol is found on the following state criteria lists: MN, and PA. 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:	This product does not contain any chemicals k	nown to the State of California t	to cause cancer or		
		other reproductive harm. For more information g	o to <u>www.P65Warnings.ca.gov</u> .			
16.1	Other Information:	16. OTHER INFO	AND ENTERS AIRWAYS. M.			
		Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Avoid breathing fume/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly with soap and water after handling. Wear protective gloves/ eye protection/ face protection. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/ attention. In case of fire: Use Water, Foam, CO ₂ , Dry Chemical to extinguish. Store in a well-ventilated place. Keep cool. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.				
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.				
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Birchwood Casey, LLC knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.				
16.4	Prepared for:	Birchwood Casey, LLC 3260 Winpark Drive New Hope, MN 55427 USA Tel: +1 (952) 388-6717 Email: customerservice@birchwoodcasey.com http://www.birchwoodCasey.com	BIRCHWOOD CASEY			
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com	ShipMate Dangerous Goods Training & Consulting			



Page 6 of 6

BC-022

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

SDS Revision: 2.1

SDS Revision Date: 10/25/2018

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		
RT	RTECS No. Registry of Toxic Effects of Chemical Substances Number	
EINI	ECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	ACGIH American Conference on Governmental Industrial Hygienists	
IDLH	Immediately Dangerous to Life and Health	
NOHSC	National Occupational Health and Safety Commission (Australia)	
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.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

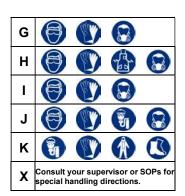
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		型	
D		型	
Е			
F			





OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic	
Irrit	Irritant	
NA	Not Available	
NR	No Results	
ND	Not Determined	
NE	NE Not Established	
NF	NF Not Found	
SCBA	SCBA Self-Contained Breathing Apparatus	
Sens	Sens Sensitization	
STOT RE	Specific Target Organ Toxicity – Repeat Exposure	
STOT SE	STOT SE Specific Target Organ Toxicity – Single Exposure	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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

HAZARD RATINGS:

0	Minimal Hazard	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ \ \ \ \ \
₩	Use No Water	HEALTH
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀ Lethal concentration (gases) which kills 50% of the exposed anir	
ppm	Concentration expressed in parts of material per million parts
TD _{Io}	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, TCo, LCio, & LCo	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log Kow or log Koc	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	
NDSL	Canadian Non-Domestic Substance List	
PSL	PSL Canadian Priority Substances List	
TSCA	TSCA U.S. Toxic Substance Control Act	
EU	European Union (European Union Directive 67/548/EEC)	
WGK	WGK Wassergefährdungsklassen (German Water Hazard Class)	

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	(4)	(®	\odot	®		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

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

		③	\Diamond			\Diamond		(
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment