Submission Transmittal Cover

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Date:	July 20, 2023	**Pages: (incl. cover)**	32
Project Title:	**Coral Harbour Remediation Project**		
Client Project No.:	**R.112158.017**		
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Submittal No.:	010	**Specification:**	02 81 00

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- ☐ Information
- ☐ As Requested
- ☐ Review
- ☐ Tender
- ☐ Construction
- ☐ Other

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CONTRACTOR CERTIFICATION	CONTRACTOR COMMENTS
Jonathan Markiewicz Digitally signed by: Jonathan Markiewicz DN: CN = Jonathan Markiewicz email = jonathanm@milestoneenv.ca C = CA O = Milestone Environmental Contracting Inc. OU = Eastern and Northern Canada Date: 2023.07.20 15:05:18 -04'00'	Submitted as Final.
ENGINEER CERTIFICATION	**ENGINEER COMMENTS**

Barrel Processing Methodology

Prepared For:

Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

Public Works and Government Services Canada
9700 Jasper Avenue, Suite 1000
Edmonton, Alberta T5J 4C3

Project: ***EW699-222278/001 – Coral Harbour Remediation Project***
Coral Harbour, Nunavut

Document History:

The Document Author is authorized to make the following types of changes to the document without requiring that the document be re-approved:

- Editorial, formatting, and spelling
- Clarification

To request a change to this document, contact the Document Author or Owner.

Changes to this document are summarized in the following table in reverse chronological order (latest version first).

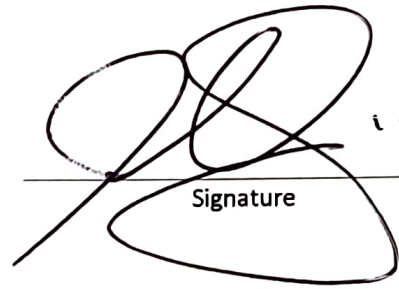
Revision	Date	Created by	Short Description of Changes

Approval / Acknowledgements / Acceptance

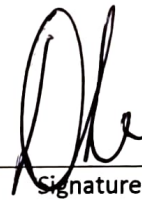
Prepared By:

Paul Bandler, Project Manager	July 17, 2023	
Name and Title (please print)	Date	Signature

Reviewed By:

Jonathan Markiewicz, Senior Project Manager	July 1, 2023	
Name and Title (please print)	Date	Signature

Approved By:

Dino Bruce, SDL Superintendent	July 1, 2023	
Name and Title (please print)	Date	Signature

Client Acceptance:

Name and Title (please print)	Date	Signature

All aspects of the work will be conducted in accordance with:

- ✓ Local / Provincial / Federal Legislation, Permits and Regulations, as applicable
- ✓ Site Specific Health and Safety Plan (HASP)

NOTE: All site personnel must read and acknowledge review of the HASP, prior to start of any work. Refer to Sign-off Sheet – MEHS # 24 – 1. Example is included at the end of the HASP.

Table of Contents

1 PROJECT INFORMATION AND BACKGROUND

This Barrel Processing Methodology (BPM) will be retained on the site during field activities and will be reviewed, as necessary. The plan will be amended or revised as project activities or conditions change or when supplemental information becomes available.

1.1 Project Information and Background

Project Number: PWGSC – EW699-222278/001/NCS
SDL / Milestone – 03230272

Client(s): Public Works and Government Services Canada (PWGSC) on behalf of Crown-Indigenous Relations and Northern Affairs (CIRNAC)

Client Reference Number(s): PWGSC Project Reference - EW699-222278
Contract Number - EW699-222278/001/NCS

Project Site Name: Coral Harbour Site

Site Address: Coral Harbour, NU

The project Site is located approximately 10 kilometres (km) northwest of the Hamlet of Coral Harbour, Nunavut, on Southampton Island.

Project Manager: Dino Bruce
Tyler Libby / Jonathan Markiewicz

MILESTONE Office Location: 200 – 1550 Laperriere Avenue, Ottawa, Ontario, K1Z 7T2

Project Start Date: June, 2023

Project End Date: March 31, 2025

Site Background: The former military base in Coral Harbour was used by Canadian and American forces during the construction of the Distant Early Warning (DEW) Line in Northern Canada during the Second World War and for various other northern projects. The Site was active from the 1940s until the 1970s and the on-site infrastructure included an airstrip, hospital, and housing for military personnel. When the Site was decommissioned in the 1970s, most buildings were decommissioned, and remaining equipment was abandoned.

Several areas of environmental concern (AECs) including physical hazards related to unconsolidated surface debris and aged structures, and environmental impacts associated with soil contamination, buried debris, petroleum liquids in tanks and drums and hazardous building materials remain

on-site. These AECs and physical hazards are the target of the remediation activities under this contract.

Surrounding Areas: The Site is located along the local road system in the vicinity of the active Coral Harbour Airstrip and northwest of the town proper.

The areas around the Site are generally flat with limited ground cover. The surface soils are mostly gravel deposits with fine materials. Permafrost is at an approximate depth of 1 meter below ground surface (mbgs).

Work to be Performed: The primary components of the Remediation Works to be carried out are highlighted in this section:

- Abatement, packaging and proper off-site disposal of hazardous liquids and solids.
- Incineration of acceptable liquid and solid waste on site.
- Demolition, segregation and proper disposal of remaining buildings.
- Sorting and proper disposal of surface debris.
- Excavation, sorting and proper disposal of buried debris.
- Excavation and treatment or disposal of contaminated soil:
  - Type B soil to be treated in on-site land treatment unit (LTU).
  - Type A soil to be disposed in non-hazardous waste landfill (NHW) on site.
  - Tier II Soil to be properly packaged and disposed off-site.
- Construction, filling and operation of the on-site LTU.
- Construction, filling and closure of the on-site NHW.
- Backfilling of excavated areas with clean fill.

Potential Contaminants:

Fuel in drums and tanks
Potential Batteries
PHCs F1-F4 and BTEX in soil
PAHs in soil
Glycol
Mercury (thermostats)
Metals associated with car batteries
Asbestos containing materials (ACMs) associated with buildings
Lead-amended paint associated with buildings
Potential for PCBs in light ballasts
Creosote treated wood

2 ON-SITE ORGANIZATION, COORDINATION AND CONTACTS

This BPM has been prepared by *The Project Team* consisting of Sudliq Developments Ltd. (**SDL**) and Milestone Environmental Contracting Inc. (**MILESTONE**).

The following is a list of key project contacts.

Prime Contractor:	**Sudliq Development Ltd. *(SDL)* Dino Bruce – 902-957-0485**	
Project Manager :	Name: Cellular Office: Email:	**Tyler Libby - Milestone** 647-385-4173 519-260-0221 # 507 tylerL@milestoneenv.ca
Senior Project Manager :	Name: Cellular: Email:	**Jonathan Markiewicz - Milestone** 514-984-6405 jonathanm@milestoneenv.ca
Project Superintendent and On-Site Health and Safety Coordinator :	Name: Cellular: Office: Email:	**David Jones - Milestone** 905-872-0144 613-656-4173 davej@milestoneenv.ca
Emergency Response:	**TBD**	
Client:	Company: Name: Cellular: Email:	**PWGSC** **Claudia Simonato** 403-613-6328 Claudia.Simonato@tpsgc-pwgsc.gc.ca
Consultant:	Company: Name: Cellular: Email:	**Stantec** **Lindsay van Noortwyk** 780-232-1114 Lindsay.vanNoortwyk@stantec.com
PWGSC Construction Representative:	Company: Name: Cellular: Email:	**Stantec** **Tarek Ghadieh** 613-793-9451 Tarek.Ghadieh@stantec.com
PWGSC Construction Representative:	Company: Name: Cellular: Email:	**Stantec** **Sam Caldwell** 902-574-7474 Sam.Caldwell@stantec.com

3 PURPOSE

The purpose of this BPM is to outline the procedures, health and safety precautions and training necessary to insure adequate and efficient control, containment, segregation, transportation and disposal of waste liquids and sludges in historical barrels, tanks, pipes and vehicles on site.

The plan also included steps to minimize the adverse effects should a spill occur and to protect the health and safety of employees. Details on overall spill response and project health and safety are contained in Submittal 005 – Site-specific Health and Safety Plan.

3.1 Scope of Methodology

- Inspections, and access and movement assessment
- Barrel opening
- Contents sampling and analysis
- Contents consolidation and disposal
- Cleaning and disposal of empty barrels

Figure 1 below is a flow diagram showing how barrel contents will be processed for disposal. Figure 2 is a flow diagram showing how empty barrels will be processed for disposal.

Figure 1

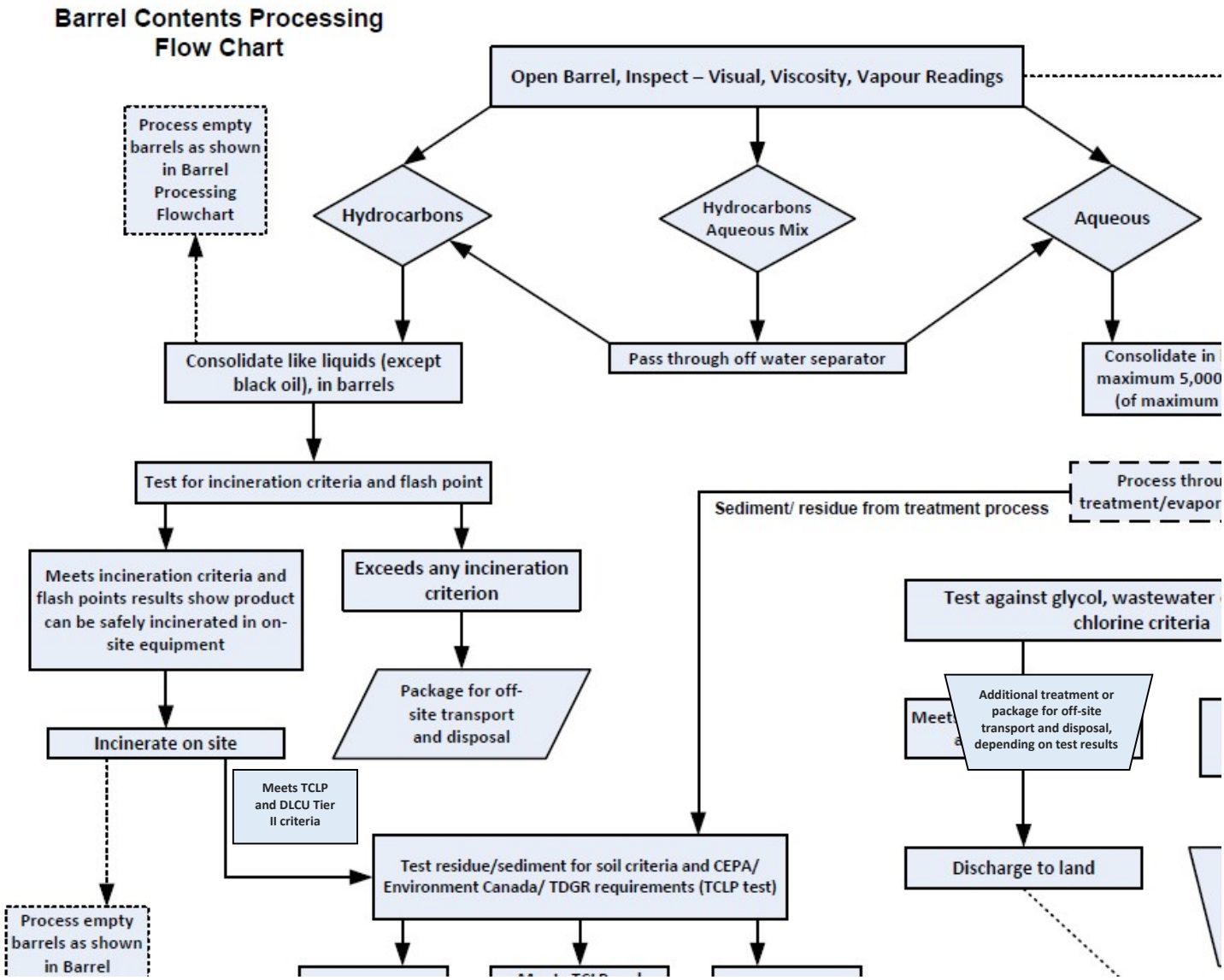
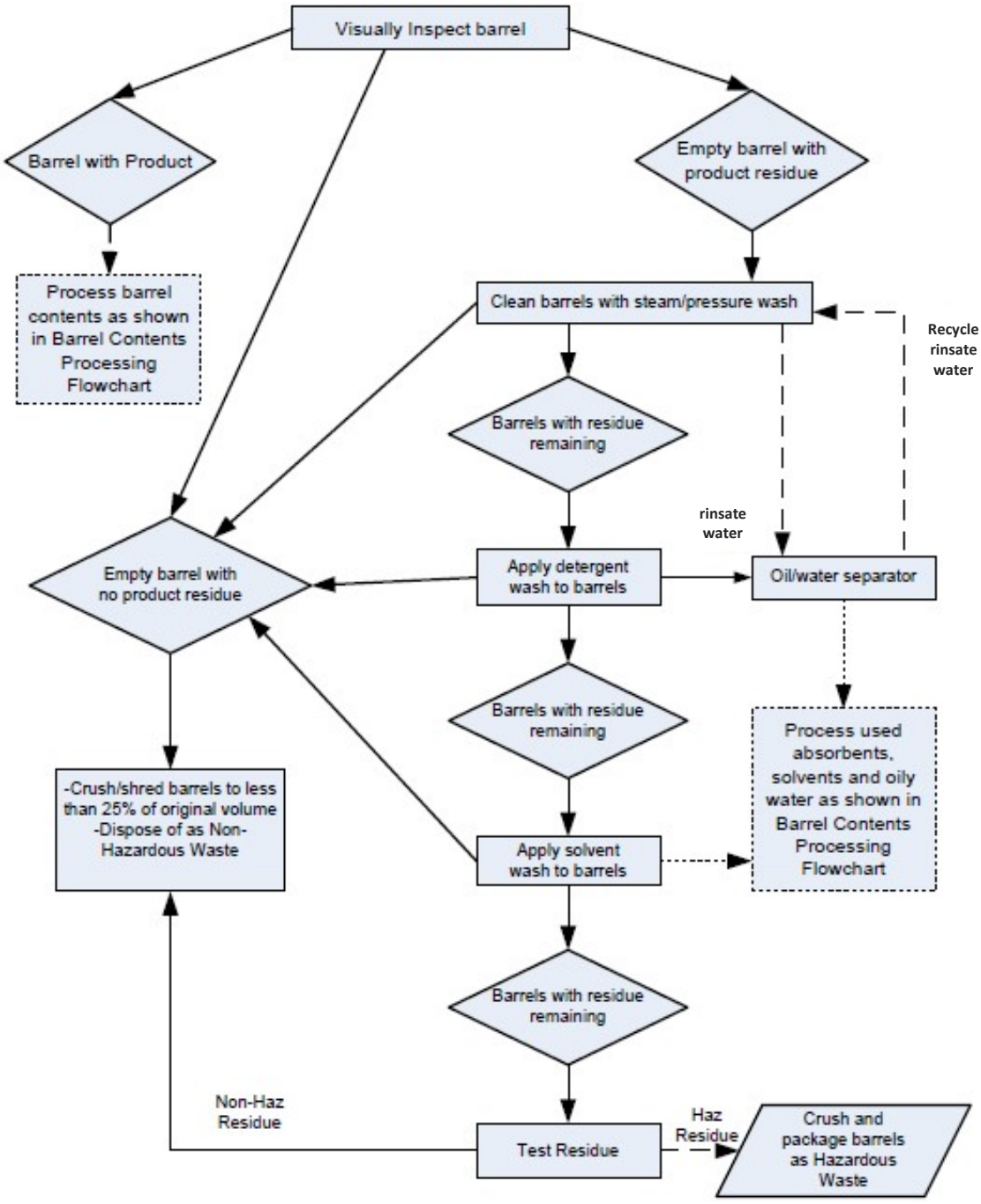

Barrel Contents Processing Flow Chart
Open Barrel, Inspect – Visual, Viscosity, Vapour Readings
Process empty barrels as shown in Barrel Processing Flowchart
Hydrocarbons
Hydrocarbons Aqueous Mix
Aqueous
Consolidate like liquids (except black oil), in barrels
Pass through off water separator
Consolidate in maximum 5,000 (of maximum
Test for incineration criteria and flash point
Process throu treatment/evapor
Sediment/ residue from treatment process
Meets incineration criteria and flash points results show product can be safely incinerated in on-site equipment
Exceeds any incineration criterion
Test against glycol, wastewater chlorine criteria
Package for off-site transport and disposal
Meet
Additional treatment or package for off-site transport and disposal, depending on test results
Incinerate on site
Meets TCLP and DLCU Tier II criteria
Test residue/sediment for soil criteria and CEPA/ Environment Canada/ TDGR requirements (TCLP test)
Discharge to land
Process empty barrels as shown in Barrel

Figure 2: Barrel Processing Flow Chart



3.2 Related Specification Sections

The following specification sections apply to this Work Plan.

Section	Detail
01 35 29.13	Health, Safety and Emergency Response Procedures for Contaminated Sites
01 35 43	Environmental Procedures
02 81 01	Hazardous Materials
02 81 01 – 3.7.2	Barrel Processing Methodology
02 81 01 – 3.7.6	Barrel Contents Sampling and Consolidation

3.3 Applicable Regulations and Guidelines

Regulatory requirements around safe works covering demolition, confined space entry and fluid handling applicable to this work plan include:

- Canadian Standards Association, Code of Practice for Safety in Demolition of Structures (CSA Standard S350-M1980 (R2003)).
- Canada Labour Code – Occupational Health and Safety (R.S.C. 1985, c.L-2).
  Canada Occupational Health and Safety Regulations (SOR/86-304).
- Environment, Health & Safety Control Framework, Northern Contaminated Sites Program (INAC, 2008).
- Construction Project Safety Management Guide, 5th Edition (PWGSC, 2008).
- Abandoned Military Site Remediation Protocol (INAC, 2009).
- Canadian Standards Association, Selection Use and Care of Respirators (CSA Standard Z94.4-11 (R2016)).
- Spill Contingency Planning and Reporting Regulations (R-068-93).
- Consolidation of Occupational Health and Safety Regulations (R-003-2016).
- Consolidation of Safety Act (R.S.N.W.T. 1988, c.S-1; as amended by S.Nu. 2015, c.19).
- Environmental Guideline for Used Oil and Waste Fuel, June 2012.
- Transportation of Dangerous Goods Act, 1992 and Regulations (SOR/2001-286).

3.4 Roles and Responsibilities

Site Superintendent

- In case of a spill, responding to the spill location and taking charge or ensuring someone takes charge of containing the spill and ensuring the safe handling, clean-up and proper disposal of spill residues and clean-up materials.
- Reporting the spill internally (to the Project Manager, EHS Coordinator, and Senior Management) and externally (Nunavut Spill Reporting, Regional Municipality – refer to local requirements) as required and ensuring an Incident Investigation Form, and if necessary NU Spill Report Form, is completed including an investigation of the causes of the spill and evaluation of actions taken to respond to the spill event.
- Ensuring Safety Data Sheets ("SDSs") are readily available and current for all hazardous materials used on Site or which staff may be in contact with, including flammable and combustible liquids.
- Ensuring spill response equipment is readily available at critical points of use at all times.
- Ensuring that all employees are trained and knowledgeable of this Program, and that the Program is updated as needed.

Site Personnel

- Participate in spill training including general response procedures and notification requirements.
- Personnel, and their supervisors, will be trained on techniques to effectively contain a spill (i.e., spills of fuels and chemicals).
- Immediately notify their Supervisor in the event of a spill.

4 WORK DETAIL

4.1 Health Safety and Emergency Response

4.1.1 Health and Safety

Details on health and safety are presented in the Site Specific Health and Safety Plan (Submittal 005).

Task specific hazards and planned mitigation measures are presented in the following table.

Personal protective equipment (PPE) per Section 01 35 29.13 – Health, Safety, and Emergency Response Procedures for Contaminated Sites and in compliance with NIOSH Guidelines.

Task- Specific Hazard	**Mitigation Measures**
Respiratory risk from organic vapours in drums.	Staff to be trained and properly fitted with minimum half-face respirators with organic vapour (OV) cartridges.
Chemical hazards: - Organic liquids in drums and other vessels - Detergents and chemical cleaners - Wash water and rinsate - Fuel to run pumps	- Staff to be trained on proper use and fitted with adequate PPE including, eye protection, respirators with OV cartridges, hard hat, rubber safety boots, double gloves (chemically resistant on the outside and latex on the inside) and disposable chemical resistant-coated coveralls. - Eye wash stations to be available during work. - SDS will be available for all new chemical products. - Spill kits will be on hand - Properly rate fire extinguishers will be on hand
Physical Hazards: - Slips, trips, falls - Noise - Heavy equipment - Explosive risk from combustible vapours and pressurized vessels	- Proper foot wear and extra care to be taken when suited up in PPE. - Heavy equipment, compressors, water pumps. Ear protection to be available as needed - Hard hats to be worn. Eye contact and clear communication with operators - Combustible gas monitoring throughout (see below) - Non-sparking tools to be used to open and manipulate vessels - Remote-depressurization plan (see below)

A decontamination Zone will be established adjacent to work areas where handling of drum contents occurs (e.g. sampling, consolidation/transfer, washing, etc.) to prevent tracking potentially contaminated liquids outside of the work area. The decontamination zone will be lined to contain any liquids and oily residues and will be equipped with boot wash, rinse down and rinsate containment. Rinsate will be passed through the process water treatment system (see below). Waste containers will be present to discard used/soiled PPE.

The work will be conducted with one person present outside of the sampling area, who is fully suited in protective clothing to observe the work in case of any unexpected health and safety concerns and also to assist as needed.

4.2 Inspection, Access and Movement

All barrels will be inspected by PWGSC's construction representative and the *Project Team* in place prior to movement and opening. The purpose of the inspection is to identify the process for opening, sampling, testing and handling of the barrels. A barrel inspection field sheet is appended to the end of this document. Inspections will note and record the following on field sheets as a minimum:

- Symbols, words, or other marks on the barrel that identify its contents, and/or that its contents are hazardous: e.g. radioactive, explosive, corrosive, toxic, flammable.
- Symbols, words, or other marks on the barrel that indicate that it contains discarded chemicals, reagents, or other potentially dangerous materials in small-volume containers.
- Signs of deterioration or damage such as corrosion, rust, or leaks at seams, rims, and V grooves, or signs that the barrel is under pressure such as bulging and swelling.
- Spillage or discoloration on the top and sides of the barrel.
- Each barrel will be labelled with a unique identifier for future processing.

Areas of the barrel that show evidence of holes, rust points, or openings will be tested using a combustible gas indicator such as a MultiRAE or similar prior to movement. If combustible vapour concentrations exceed 20 % of the Lower Explosive Limit (LEL), all handling, storage and transportation operations will be conducted in accordance with the appropriate sections of the National Institute for Occupational Safety and Health (NIOSH) guidelines, National Fire Code of Canada, and the TDGA for flammable and combustible materials.

Full drums in poor condition will be immediately placed in overpack barrels for off-site disposal.

Barrels will not be transported until they are determined to not be pressurized, do not leak, and are sufficiently sound for handling. When deemed safe, barrels will be lifted with a barrel handler. Barrels will be placed upright if safe to do so within a Hazardous Materials Processing Area (MPA). At this stage barrels will be segregated based on noticeable features (colour, V groove pattern, drum style, proximity to similar, etc).

4.3 Barrel Opening

Pressurized barrels are extremely hazardous and will be opened with extreme caution. Only non-sparking equipment will be used to open barrels including bung wrench or similar. All personnel responsible for opening barrels will be provided with, and trained on proper us of, appropriate safety equipment and clothing as described above.

The work area will also have a spill response kit readily at hand including absorbent pads, booms, appropriately rated fire extinguishers, etc. (See Submittal 005 – Site-specific Health and Safety Plan).

A decontamination area will be established adjacent to the work area as detailed above.

Barrels will be opened in accordance with the procedures outlined in the Occupational Safety and Health Administration (OSHA) Code of Federal Regulations Title 29, Part 1910, Section 120 (29 CFR 1910.120) Hazardous Waste Operations and Emergency Response (HAZWOPER).

If the bungs of a barrel can be readily moved, then the barrel should be opened slowly, allowing time for any pressure in the barrel to be released before the bungs are fully removed.

If the bungs of a barrel cannot be readily moved, or if barrel inspection suggests that opening of the barrel may present a special hazard, the barrels will be vented remotely and behind suitable protective barrier to relieve any internal pressure that may be present prior to opening. Remote barrel venting will be done using a suitable device such as a sharp weighted spear dropped from an appropriate height or released from a tube housing a spring to penetrate the barrel. The spear should be driven into the barrel such that the barrel pressure is vented.

Remote venting will be completed from a safe distance from other site operations, and from behind suitable barricades.

All barrels will be clearly numbered and recorded, if not done so previously for cross-referenced to sample numbers and throughout other steps in this process.

4.4 Sampling and analysis

Barrel sampling will be conducted by trained personnel wearing proper PPE as detailed above. Barrels will be sampled either in-place or once moved to a Material Processing Area. Details regarding sampling and analysis in outlined in Submittal 011 – Barrel Contents Sampling and Consolidation plan.]

4.5 Consolidation and disposal of drum contents

This part of the work plan applies to waste liquids from drums, above ground storage tanks, underground vaults, pipes, and other equipment and vehicles on site, per Section 02 41 23 – 3.1.3.

Waste liquids will be processed as follows:

- Organic liquids that comply with the incineration guidelines listed above will be consolidated into mobile tanks such at 1000 L totes or a fuel truck for movement to the incinerator area.
- Organic liquids that do NOT comply with incineration guidelines are considered hazardous waste and will be containerized into overpacks or totes for disposal off-site according to applicable regulations.
- Aqueous liquids will be consolidated to mobile tanks and transported to the water treatment system for treatment.
- Once empty, drums will be cleaned and disposed (see below).

4.5.1 Incineration of Organic Liquids

Organic liquids from on-site sources meeting the applicable criteria will be incinerated on site.

Leachate extraction tests and total CCME metals analysis are to be carried out by the PWGSC Construction Representative (PCR) on the solid residual material resulting from any incineration process. The leachate toxicity of the material will be determined in accordance with CEPA regulations. Incinerator ash will be disposed as follows:

- Material found not to be leachate toxic and that meets appropriate metals guidelines will be disposed as hydrocarbon contaminated soil as described in Section 02 55 13– Contaminated Soil, and 02 61 00 – Soil Remediation in the on-site NHW landfill.
- Material found to be leachate toxic will be package in accordance with TDGA regulations and dispose of off-site.

4.5.2 Treatment of Aqueous Liquids

Water discharge criteria are described in Section 01 35 15 – 1.8 & 1.9 and will be provided in the water license for the project.

Aqueous liquids from drums and other sources, and aqueous phase rinsate will be consolidated for treatment in the on-site treatment system. See submittal 008 for details on process water treatment system operation.

Treated water will be held in clean totes, other approved tanks or temporary lined holding ponds for recycling in the drum washing process or for discharge to land once compliance with discharge criteria is confirmed through laboratory testing.

4.5.3 Off-Site Disposal of Waste

Organic Liquid waste, residues and rinsate that does not comply with criteria for incineration will be consolidated in sealable totes or other similar containers and labelled appropriately in accordance with TDGA regulations for disposal off-site. This waste will be transported to Violia disposal facility near Montreal, QC. Additional sampling may be completed to meet the requirements of the disposal facility.

Oil-absorbent materials and sampling supplies will be packaged in sealable overpacks or other similar sealable containers, and labelled appropriately in accordance with TDGA regulations for disposal off-site.

Spent GAC will be tested for PHC content and Leachate and considered for disposal in the on-Site NHW facility or off-site as appropriate.

Aqueous phase liquids that do not comply with applicable discharge criteria prior to demobilization will be packaged in sealable totes or other similar containers and labelled appropriately in accordance with TDGA regulations, if applicable for disposal off-site by Violia at their facility near Montreal, QC.

4.6 Cleaning and disposal of barrels

Once drums are emptied of their liquids they will be subject to the wash process per Section 02 81 01 – 3.7.8. Refer to Figure 2 above for empty barrel processing concept.

In general the following process will apply:

- Drums with no evidence of residues and combustible gas readings of 20% LEL or less will be sent for crushing and disposal on site.
- Drums with evidence of residues or with combustible gas readings higher than 20% LEL will be sent for washing.
- Drums containing small volumes of liquid will be agitated with oil-absorbent material to remove organics. Spent absorbent will be containerized for testing to confirm waste stream classification and disposal in accordance with applicable regulations. Drums will then be sent for washing.

Washing will occur in a designated Hazardous Materials Processing Area and will be lined with 6mm poli or similar durable material to contain all residues and rinsate. Wash areas will be further lined with geotextile or pallets to provide traction and safe movement for workers in the space. Spill kits will be present and kept fully stocked as materials are used. Staff working in the washing area will be dressed in full PPE as above.

Drums will be pressure and/or steam cleaned. If residues remain in the barrel it will be further cleaned with up to two rounds of detergent wash and, if needed, one further round of solvent wash (per Specification 02 81 01- 2.1.3; - 2.1.4; 02 81 01 – 3.7.8).

For the detergent wash Crystal Simple Green product is proposed. For the solvent wash, if needed SUPER-KLEEN 550 product is proposed. SDS documentation for both products is attached (Appendix B).

Rinsate will be collected in 1000-L totes, or previously cleaned ASTs (per Specification 02 41 16 – 3.7) and treated using the Process Water Treatment System (WTS), which includes an oil skimmer step at the front end – additional WTS details are included in Submittal 008. Residues will be tested by the *Project Team* to determine disposal requirements. If the residues exceed applicable incineration criteria, they are deemed hazardous and will be transported off-site for disposal as hazardous materials. Aqueous phase rinsate will be recycled in the washing process, or passed through the WTS and tested for final discharge to land.

Once free of residues drums will be screened again for combustible vapours as described above. Vapour readings of <20% LEL will confirm non-hazardous status and drums can be crushed to less than 30% of original volume per Section 31 22 13 – 3.6.7. Crushed barrels will be disposed in the NHW landfill on site. The *Project Team* will utilize a 250 Excavator or similar heavy equipment to reduce drums to acceptable disposal size.

4.7 Spill Response

Site-specific detail on spill response is provided in Submittal 005 – Site Specific health and Safety Plan.

Although the *Project Team* works towards zero incidents and spills the following practices will be followed as it relates to spill reporting:

- Response to accidental spills or releases will be conducted in accordance with the Nunavut Spill Contingency Planning and Reporting Regulations.

- Any release of fuels over 20 litres is reportable to the 24 hour Spill Report Line (867) 920-8130 and reportable to the Nunavut Water Board Inspector within 24 hours.
- A release of any substance in any quantity into a watercourse is IMMEDIATELY reportable.

The Drum processing work areas will have spill response kits readily at hand including absorbent pads, booms and appropriately rated fire extinguishers, etc. The following general requirements will be followed:

- Stock spill clean up kits that are compatible with the hazardous substances stored on site.
- Locate spill kits in areas where spills are likely to occur (chemical storage areas, locations where hazardous substance are being transferred).
- Spill kits will be sized to managing an anticipated release (spill equal to the largest container).
- Emergency response equipment will be inspected periodically – at minimum, weekly, to ensure that the spill kit is complete.
- Supplies will be replenished immediately after use.

APPENDIX A

Example barrel inspection and sampling field sheet

Project: Coral Harbour Remediation

Site ID/Name: _____

Date: _____

Field Personnel: _____

BARREL SAMPLING FIELD FORM

Building or Area of Site:																
Barrel ##																
Sample # (separate for each phase)																
Location of Barrel:																
Condition of Barrel: (e.g.: empty/full, cracked, bulging, etc)																
Exterior colour, markings, placards:																
Description of liquid: (e.g. waste oil, water, glycol)																
Combustible Gas reading % LEL or ppm (circle)																
Phases: (thickness, colour, etc)																
Photo #s:																
Additional Comments:																

SDL Initials _____ Photos taken/uploaded? _____ Sample manifest filled in? _____ Notes scan and filed? _____

APPENDIX B

SDS – Crystal Simple Green Detergent
SDS – SUPER-KLEEN 550 solvent

Safety Data Sheet: **Crystal Simple Green® Industrial Cleaner & Degreaser**

Fiche signalétique: **Crystal Simple Green® Nettoyant et Dégraisseur Industriel**

Version No. 19000-21A | Issue Date: April 1, 2021 | Supersedes Date: April 11, 2017 | *HPR (WHMIS 2015)*

N° de vesion : 19000-21A | Date du parution : avril 1, 2021 | Remplace la parution du : avril 11, 2017 | *HPR (SIMDUT 2015)*

Section 1: IDENTIFICATION

Product Name: Crystal Simple Green® Industrial Cleaner & Degreaser
Additional Names:

Manufacturer's Part Number: **Please refer to Section 16*

Recommended Use: Cleaner & Degreaser for water tolerant surfaces.
Restrictions on Use: Do not use on non-rinsable surfaces.

Company: Sunshine Makers, Inc.
300-840 6 Ave SW
Calgary, AB T2P 3E Canada

Telephone: 587-393-2801 *Mon – Fri, 8am – 5pm PST*
Fax: 562-592-3830
Email: info@simplegreen.com

Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

Section 2: HAZARDS IDENTIFICATION

This product is considered hazardous under WHMIS 2015.
WHMIS 2015 Classification: Serious Eye Damage / Irritant 2B

WHMIS 2015
Label Elements
Signal Word: Warning

Hazard Symbol(s)/Pictogram(s): None required

Hazard Statements: Causes eye irritation.

Precautionary Statements: Wash hands thoroughly after handling. 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.

Hazards Not Otherwise Classified (HNOC): None

Other Information: None Known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percent Range (w/w)
Water	7732-18-5	> 82%*
C9-11 Alcohols Ethoxylated	68439-46-3	< 5%*
Surfactant	Proprietary	< 5%*
Sodium Citrate	68-04-2	< 5%*
Sodium Carbonate	497-19-8	< 1%*
Tetrasodium Glutamate Diacetate	51981-21-6	< 1%*
Citric Acid	77-92-9	< 1%*

**specific percentages of composition are being withheld as a trade secret*

Section 4: FIRST-AID MEASURES

Inhalation: Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.
Skin Contact: Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.

Section 4: FIRST-AID MEASURES - continued

Eye Contact: Causes eye irritation. 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.

Ingestion: May cause upset stomach. Drink plenty of water to dilute. See section 11.

Most Important Symptoms/Effects, Acute and Delayed: None known.

Indication of Immediate Medical Attention and Special Treatment Needed, if necessary: Treat symptomatically

Section 5: FIRE-FIGHTING MEASURES

Suitable & Unsuitable Extinguishing Media: Use Dry chemical, CO2, water spray or "alcohol" foam. Avoid high volume jet water.

Specific Hazards Arising from Chemical: In event of fire, fire created carbon oxides may be formed.

Special Protective Actions for Fire-Fighters: Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

This product is non-flammable. See Section 9 for Physical Properties.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: *For non-emergency and emergency personnel:* See section 8 – personal protection. Avoid eye contact. Wear safety goggles.

Environmental Precautions: Do not allow into open waterways and ground water systems.

Methods and Materials for Containment and Clean Up: Dike or soak up with inert absorbent material. See section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

Conditions for Safe Storage including Incompatibilities: Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 109°F (42.7°C). If separation occurs, mix the product for reconstitution.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values: No components listed with TWA or STEL values.

Appropriate Engineering Controls: Showers, eyewash stations, ventilation systems

Individual Protection Measures / Personal Protective Equipment (PPE)

Eye Contact: Use protective glasses or safety goggles if splashing or spray-back is likely.

Respiratory: Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.

Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.

General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Colorless Liquid	**Partition Coefficient: n-octanol/water:**	Not determined
Odor:	No added odor	**Autoignition Temperature:**	Non-flammable
Odor Threshold:	Not determined	**Decomposition Temperature:**	109°F
pH:	9.8 – 10.8	**Viscosity:**	Like water
Freezing Point:	0-3.33°C (32-38°F)	**Specific Gravity:**	1.01 – 1.03
Boiling Point & Range:	101°C (213.8°F)	**VOCs:**	***Water & fragrance exemption in calculation*
Flash Point:	> 212°F	CARB Method 310**: 4.0 g/L	0.033 lb/gal 0.4%
Evaporation Rate:	½ Butyl Acetate @ 25°C	**VOC Composite Partial Pressure:**	Not determined
Flammability (solid, gas):	Not applicable	**Relative Density:**	8.34 – 8.42 lb/gal
Upper/Lower Flammability or Explosive Limits:	Not applicable	**Solubility:**	100% in water
Vapor Pressure:	0.60 PSI @77°F, 2.05 PSI @100°F		
Vapor Density:	Not determined		

Section 10: STABILITY AND REACTIVITY

Reactivity: Non-reactive.
Chemical Stability: Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
Possibility of Hazardous Reactions: None known.
Conditions to Avoid: Excessive heat or cold.
Incompatible Materials: Do not mix with oxidizers, acids, bathroom cleaners, or disinfecting agents.
Hazardous Decomposition Products: Normal products of combustion - CO, CO2.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:
Inhalation - Overexposure may cause headache.
Skin Contact - Not expected to cause irritation, repeated contact may cause dry skin.
Eye Contact - Causes eye irritation.
Ingestion - May cause upset stomach.

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions.
Delayed and immediate effects and or chronic effects from short term exposure: no symptoms expected under typical use conditions.
Delayed and immediate effects and or chronic effects from long term exposure: headache, dry skin, or skin irritation may occur.
Interactive effects: Not known.

Numerical Measures of Toxicity

Acute Toxicity:
Oral LD_{50} (rat) > 5 g/kg body weight
Dermal LD_{50} (rabbit) > 5 g/kg body weight
Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals

Skin Corrosion/Irritation: Non-irritant per Dermal Irritection® assay modeling. No animal testing performed.
Eye Damage/Irritation: Irritant per Ocular Irritection® assay modeling. No animal testing performed.
Germ Cell Mutagenicity: Mixture does not classify under this category.
Carcinogenicity: Mixture does not classify under this category.
Reproductive Toxicity: Mixture does not classify under this category.
STOT-Single Exposure: Mixture does not classify under this category.
STOT-Repeated Exposure: Mixture does not classify under this category.
Aspiration Hazard: Mixture does not classify under this category.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.
Aquatic: Not tested on finished formulation.
Terrestrial: Not tested on finished formulation.

Persistence and Degradability: Reaches 100% biodegradability within 140 days in a sanitary sewer or septic system (extended OECD 301D testing).
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Other Adverse Effects: No data available.

Section 13: DISPOSAL CONSIDERATIONS

Unused or Used Liquid: May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

Empty Containers: Dispose of in accordance with local regulations.

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

Section 14: TRANSPORT INFORMATION

U.N. Number: Not applicable
U.N. Proper Shipping Name: Cleaning Compound, Liquid NOI
Transport Hazard Class(es): Not applicable
Packing Group: Not applicable
Environmental Hazards: Marine Pollutant - NO
Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code): Unknown.
Special precautions which user needs to be aware of/comply with, in connection with transport or conveyance either within or outside their premises: None known.

U.S. (DOT) / Canadian TDG: Not Regulated for shipping.
IMO / IDMG: Not classified as Hazardous
ICAO/ IATA: Not classified as Hazardous
ADR/RID: Not classified as Hazardous

Section 15: REGULATORY INFORMATION

All components are listed on: DSL Inventory.

Toxic Substances List – Schedule 1 – CEPA: Nothing listed
NPRI Inventory: Nothing listed

Section 16: OTHER INFORMATION

Size	UPC
709 ml	043318000164
3.78 Liter	043318000188
18.9 Liter	043318000140
56.78 Liter	043318000263

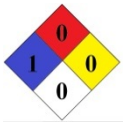
Section 16: OTHER INFORMATION - continued

Size	**UPC**
208 Liter	043318190599
1040 Liter	043318000195

Canada items listed only. Not all items listed. Items may not be valid for international sale.

NFPA:

Health – Eye Irritant
Flammability – Non-flammable
Stability – Stable
Special - None



Acronyms

IARC	International Agency for Research on Cancer	DSL	Domestic Substances List
CEPA	Canadian Environmental Protection Act	NPRI	National Pollutant Release Inventory

Prepared / Revised By: Sunshine Makers, Inc., Regulatory Department.
Revision Date: April 1, 2021
This SDS has been revised in the following sections: SDS updated with ingredient disclosure

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SAFETY DATA SHEET
SDS REVISION DATE: 12/20/2022

SUPER KLEEN 550

THIS APPLIES TO UNDILUTED MATERIAL ONLY

1. PRODUCT & COMPANY NAME

1.1. Product identifier

Product Identity SUPER KLEEN 550

Alternate Names NA **ID NO:** 550.1220

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Product Label

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Easy Kleen Pressure Systems, LTD
41 Earnhard Road
Sussex Corner NB. E4E 6A1

Customer Service: Easy Kleen Pressure Systems **PHONE:** 800-315-5533

1.4 Medical and Emergency Spill Info 24/7 **CHEMTREC:** (800) 424-9300 (CCN#206316)

2. HAZARD IDENTIFICATION OF THE PRODUCT

2.1. Classification of the substance or mixture

Acute Tox. 5;H303	May be harmful if swallowed. (Not adopted by US OSHA)
Skin Corr. 1B;H314	May cause severe skin burns and eye damage.
Eye Dam. 1;H318	May cause serious eye damage.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

[Warning]:

H303 May be harmful if swallowed. *H314* May cause severe skin burns and eye damage. *H318* May cause serious eye damage.

[Prevention]:

P202 Do not handle until all safety precautions have been read and understood. *P260* Do not breathe mist/vapors/spray. *P264* Wash thoroughly after handling. *P280* Wear protective gloves/eye protection/face protection.

[Response]:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. *P302+352* IF ON SKIN: Wash with plenty of soap and water. *P303+361+353* IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. *P305+351+338* IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. *P308+313* IF exposed or concerned: Get medical advice / attention. *P363* Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

INGREDIENT/CHEMICAL DESIGNATIONS	WEIGHT %
Ethylene glycol monobutyl ether CAS Number: 0000111-76-2	1.0 - 10
Sodium hydroxide CAS Number: 0001310-73-2	1.0 - 10
Disodium metasilicate CAS Number: 0006834-92-0	1.0 - 10
Proprietary	1.0 - 10
Ester Blend – (proprietary)	1.0 – 10

4. FIRST AID MEASURES

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. **NOTES TO PHYSICIAN:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Inhalation If breathing is difficult move to fresh air.

Eyes Allow streaming water to flow over the face while blinking both eyes for 15 minutes for optimum irrigation. Get medical attention.

Skin Wash area thoroughly with water while removing contaminated clothing/shoes. If irritation persists, consult physician. Discard any clothing or shoes that cannot be cleaned.

Ingestion Do NOT induce vomiting. Give water or milk of Magnesia. Seek immediate medical attention. If vomiting occurs, keep airway passages open.

4.2. Most important symptoms and effects, both acute and delayed

Overview **IMMEDIATE CONCERNS: CAUTION**: May cause eye or skin burns. **POTENTIAL SIDE EFFECTS: EYES:** Mist could cause eye damage if not treated immediately. **SKIN:** May be irritant if not rinsed off. **INGESTION:** May be an irritant to mouth and throat. **INHALATION:** Avoid mist, may be an irritant **SIGNS AND SYMPTOMS OF OVEREXPOSURE EYES:** Irritation **SKIN:** Mist can cause skin irritation. **INGESTION:** Can cause irritation to the stomach. **INHALATION:** Avoid mist, can be an irritant. **ACUTE TOXICITY:** Irritation may be caused with exposure to mist. See section 2 for further details. **Eyes:** May cause serious eye damage. **Skin:** May cause severe skin burns and eye damage. **Ingestion:** May be harmful if swallowed.
(Not adopted by US OSHA)

5. FIREFIGHTING MEASURES

5.1. Extinguishing media: Water, Carbon Dioxide, Foam, water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: NA
Do not breathe mist / vapors / spray.

5.3. Advice for fire-fighters

Respiratory and eye protection are required for fire- fighting personnel. Full protective equipment (Bunker Gear) and self- contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires

ERG Guide No. ----

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

WATER SPILL: Use appropriate containment to avoid runoff.

LAND SPILL: Use appropriate containment to avoid runoff.

RELEASE NOTES: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the US, contact the US Coast Guard National Response Center toll free at 800-424-8802. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

SMALL SPILL: Shut off leak if it can be done without injury. Contain spill as much as possible and place in recovery container. Neutralize remaining spill with baking soda, flush with water.

LARGE SPILL: Shut off leak if it can be done without injury. Contain spill as much as possible and Place in recovery container. Neutralize remaining spill with baking soda, flush with water.

7. HANDLING & STORAGE

7.1. Precautions for safe handling

Handle in a well ventilated area. Handle and use in a manner consistent with good industrial and/or manufacturing techniques and practices.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry area. Keep container closed when not in use. Freeze/thaw stable, however container may become damaged when frozen.

Incompatible materials: Acids. Oxidizers.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s): Industrial detergent

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

CAS NO.	INGREDIENT	SOURCE	VALUE
0000111-76-2	Ethylene glycol monobutyl ether	OSHA ACGIH NIOSH Supplier	TWA 50 ppm (240 mg/m3) [skin] TWA: 20 ppm Revised 2003, TWA 5 ppm (24 mg/m3) [skin] No Established Limit
0001310-73-2	Sodium hydroxide	OSHA ACGIH NIOSH Supplier	TWA 2 mg/m3 Ceiling: 2 mg/m3 C 2 mg/m3 No Established Limit
0006834-92-0	Disodium metasilicate	OSHA ACGIH NIOSH Supplier	No Established Limit No Established Limit No Established Limit ACHAN TLV/OSHA 2mg/m3PEL 2mg/m3

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Carcinogen Data:	No suspected or known carcinogens.
8.2. Exposure controls	
Respiratory	Mist Mask
Eyes	Safety glasses or goggles.
Skin	Chemical resistant clothing such as coveralls/apron boots should be worn. When handling wear alkaline resistant gloves.
Engineering Controls	Provide adequate ventilation.
Other Work Practices	Facilities storing or using this material should be equipped with an eyewash facility and a safety shower. Good personal hygiene practices should always be followed.

REMARKS: This product contains hazardous ingredients per OSHA 29 CFR 1910.1200. No PEL's TLV's or OEL's for this product or its ingredients are listed in the current issue of ACGIH's Guide to Occupational Exposure values nor have they been determined by the manufacturer.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Red Liquid
Odor	Ether
Odor threshold	Not Measured
pH	5% solution: 11.7
Melting point / freezing point	32 F
Initial boiling point and boiling range	>212 F
Flash Point	>212 F. ASTM D-56
Evaporation rate (Ether = 1)	Not Applicable
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: NA Upper Explosive Limit: NA
Vapor pressure (Pa)	70 F
Vapor Density	(Air=1) 1.2
Specific Gravity	1.03
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	NA
Decomposition temperature	Not Measured
Viscosity (cSt)	NA

9.2. Other information: No other relevant information.

10. STABILITY & REACTIVITY

10.1. Reactivity: Hazardous Polymerization will not occur.
10.2. Chemical stability: Stable under normal circumstances.
10.3. Possibility of hazardous reactions: No data available.
10.4. Conditions to avoid: Do not mix with acids.
10.5. Incompatible materials: Acids
10.6. Hazardous decomposition products: Oxides of Carbon

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PRESSURE SYSTEMS LTD.
MANUFACTURER OF HIGH PRESSURE CLEANING EQUIPMENT
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11. TOXICOLOGICAL

Acute toxicity

INGREDIENT	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Ethylene glycol monobutyl ether - (111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	173.00, Guinea Pig - Category: NA	No data available	No data available
Sodium hydroxide - (1310-73-2)	6,600.00, Mouse - Category: NA	1,350.00, Rabbit - Category: 4	600.00, Mouse - Category: NA	No data available	No data available
Disodium metasilicate - (6834-92-0)	1,153.00, Rat - Category: 4	No data available	No data available	No data available	No data available
Proprietary	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

CLASSIFICATION	CATEGORY	HAZARD DESCRIPTION
Acute toxicity (oral)	5	May be harmful if swallowed. (Not adopted by US OSHA)
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1A	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. ECOLOGIAL INFORMATION

12.1. Toxicity No additional information provided for this product. **Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Ethylene glycol monobutyl ether - (111-76-2)	220.00, Fish (Piscis)	1,000.00, Daphnia magna	Not Available
Sodium hydroxide - (1310-73-2)	196.00, Poecilia reticulata	40.38, Ceriodaphnia dubia	Not Available
Disodium metasilicate - (6834-92-0)	210.00, Danio rerio	33.53, Ceriodaphnia dubia	400.00 (72 hr), Pseudokirchneriella subcapitata
Proprietary	Not Available	Not Available	Not Available

12.2. Persistence and degradability: There is no data available on the preparation itself.
12.3. Bioaccumulative potential: Not Measured
12.4. Mobility in soil: No data available.
12.5. Results of PBT and vPvB assessment: This product contains no PBT/vPvB chemicals.
12.6. Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods: Observe all federal, state and local regulations when disposing of this substance.

14. TRANSPORT INFORMATION

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1719	UN1719	UN1719
14.2. UN proper shipping name	UN1719, Caustic, Alkali Liquids n.o.s., (Contains Sodium Hydroxide Solution, Sodium Metasilicate) 8, II	Caustic, Alkali Liquids n.o.s., (Contains Sodium Hydroxide solution, Sodium Metasilicate)	Not legal
14.3. Transport hazard class(es)	**DOT Hazard Class:** 8 **DOT Label:** 8	**IMDG:** 8 **Sub Class:** None	**Air Class:** Not Legal
14.4. Packing group	**II**	**II**	**II**
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		

14.6. Special precautions for user: No further information

15. REGULATORY INFORMATION

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification D2A E

US EPA Tier II Hazards

Fire:	No
Sudden Release of Pressure:	No
Reactive:	No
Immediate (Acute):	Yes
Delayed (Chronic):	Yes

EPCRA 311/312 Chemicals and RQs (lbs.): Sodium hydroxide (1,000.00)
EPCRA 302 Extremely Hazardous : (No Product Ingredients Listed)
EPCRA 313 Toxic Chemicals: Ethylene glycol monobutyl ether
Proposition 65 - Carcinogens (>0.0%): (No Product Ingredients Listed)
Proposition 65 - Developmental Toxins (>0.0%): (No Product Ingredients Listed)
Proposition 65 - Female Repro Toxins (>0.0%): (No Product Ingredients Listed)
Proposition 65 - Male Repro Toxins (>0.0%): (No Product Ingredients Listed)
N.J. RTK Substances (>1%): %): Ethylene glycol monobutyl ether, Sodium hydroxide
Penn RTK Substances (>1%): Ethylene glycol monobutyl ether, Sodium hydroxide

16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

We believe this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act. We believe the information contained on this Safety Data Sheet is current and offered in good faith. The information is provided for your guidance only. Easy Kleen Pressure Systemsmakes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. It is the user's obligation to determine the suitability of this product for a specific purpose and the conditions for safe use of the product. We reserve the right to revise this Safety Data Sheet as newer information becomes available. Easy Kleen Pressure Systems makes no warranty of any kind.

END OF DOCUMENT

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