SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER:.....Specialty Fabric Cleaner
SDS NUMBER:.....5094
REVISION DATE:.....12/18/2019
PRODUCT DESCRIPTION:.....Cleaning Concentrate
PRODUCT USE:.....Cleaning of all high-tech moisture barrier fibers in Turnouts, such as GORE-TEX™

SUPPLIER DETAILS:.....Winsol Laboratories Inc
1417 NW 51ST ST.
Seattle, WA 98107

EMERGENCY: .....INFOTRAC 800-535-5053 (North America), 1 352-323-3500 (International)
PHONE:.....206-782-5500
WEB:.....www.winsol.com

SECTION 2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS):
GHS CLASSIFICATION: .....Health, Acute toxicity, 4 Oral
Health, Skin corrosion/irritation, 3
Health, Serious Eye Damage/Eye Irritation, 2 A
Environmental, Hazards to the aquatic environment - Acute, 3
Environmental, Hazards to the aquatic environment - Chronic, 4

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

SIGNAL WORD: .....**WARNING**
HAZARD PICTOGRAMS:

HAZARD STATEMENTS: .....H303 May be harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H402 Harmful to aquatic life
H413 May cause long-lasting harmful effects to aquatic life

PRECAUTIONARY STATEMENTS: .... P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.

P301 **IF SWALLOWED:** Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
P302 **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
P304 **IF INHALED:** Not considered dangerous. Remove to fresh air.
P305 **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.
P401 Store in a cool dry place.
P501 Dispose of contents/container in accordance with current legislation.

SECTION 3 – COMPOSITON/INFORMATION ON INGREDIENTS

INGREDIENTS:

CAS #	%	CHEMICAL NAME
68439-46-3	20-30	Alcohols, C9-11, ethoxylated
520-45-6	.05-.1	Dehydroacetic Acid
100-51-6	.05-.1	Benzyl Alcohol
6440-58-0	.05-.1	Imidazolidine
	.05-.1	Fragrance
	balance	Balance of ingredients non hazardous

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.

SECTION 4 – FIRST AID MEASURES

EYE CONTACT:.....Immediately flush with plenty of running water for at least 15 minutes, keeping eyelids open. Remove contact lenses if easy to do. Seek prompt medical attention if irritation persists.

SKIN CONTACT:.....Remove contaminated clothing and shoes. Wash affected areas with plenty of running water, preferably under a shower.

SWALLOWING (INGESTION):.....Rinse mouth. Do not induce vomiting. Vomiting should only be induced by medical personnel. If vomiting occurs, keep the head lower than chest to avoid aspiration into the lungs. Never give anything by mouth to an unconscious or convulsing person.

INHALATION:.....Usually not an area of concern however if person has difficulty breathing then seek prompt medical attention. Remove victim to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

OTHER INSTRUCTIONS:.....None Known

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

INGESTION:.....In large amounts may cause: Abdominal discomfort. Gastrointestinal irritation. Nausea. Diarrhea. Effects by comparison with homologues

INHALATION: .....Due to your low vapor pressure, is unlikely to cause inhalation problems at room temperature. Vapors from the liquid at high temperatures or mist of the product, in high concentrations, may cause irritation of the respiratory system.

SKIN:.....Repeated and/or prolonged contact may cause: Moderate irritation. Dermatitis.

EYES:.....May cause severe irritation. Damage to the cornea.

INFORMATION FOR DOCTOR: .....There is not known any specific antidote. Direct the treatment in accordance with the symptoms and clinical conditions of the patient.

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: .....In case of fire, use: Alcohol resistant foam. Water spray. Carbon dioxide (CO2). Dry chemical powder.

SPECIFIC HAZARDS:.....Product is not flammable. In case of combustion it may generate carbon monoxide, besides CO2.

SPECIAL PROTECITVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS: Water jets should not be used directly on igniting products because it may disperse the material and intensify the fire. Self-contained breathing apparatus and protective clothing are required. Cool the intact fire-exposed containers with water spray and remove them.

UNUSUAL FIRE AND EXPLOSION HAZARDS: .....No further relevant information is available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: ...Isolate and signalize area. Keep heat and/or ignition sources away. Use personal protection equipment as indicated in Section 8, in order to avoid contact with spilled product.

ENVIRONMENTAL PRECAUTIONS:..Prevent product from entering into soil and waterways. Notify the competent authorities if the product has run into drainage systems or watercourse or has contaminated the ground or vegetation.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP: ....Stop if possible. Contain and dike spilled product with earth or sand. Eliminate ignition or heat sources. Transfer to proper container. Collect remnants with an appropriate absorbent material. Wash the contaminated surface with water, which should be collected for disposal.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use in well-ventilated area. Avoid inhalation and contact with eyes, skin or clothing through proper protection. If accidental contact occurs, exposed area should be washed immediately. Wash hands and face thoroughly after handling. Wash contaminated clothing before reuse.

CONDITIONS FOR SAFE STORAGE:.. Store in covered and well-ventilated area, away from sunlight and sources of heat or open flames. Ensure that the storage location has adequate moisture, pressure and temperature. Keep containers tightly closed when not in use.

INCOMPATIBILITIES: ..... Avoid contact with: Strong oxidizing agents. Strong acids and bases at high temperatures. Compounds with high affinity for hydroxyl groups.

PACKAGING MATERIAL: ..... Recommended: Stainless steel. High density polyethylene. Low density polyethylene. Coated steel with: Epoxy resin. Polyvinyl chloride (PVC). Polyester resin reinforced with fiber glass.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION (based on 100% raw materials)

TLV (THRESHOLD LIMIT VALUE): .... The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

Product contains trace elements:

COMPONENT (USA)	TLV-TWA (ACGIH)	PEL-TWA (OSHA)	TLV-STEL (ACGIH)
1,4-Dioxane (trace elements)	20 ppm; 72 mg/m^3 (Skin).	100 ppm; 360 mg/m^3 (Skin).	Not Established
Ethylene oxide (trace elements)	1 ppm; 1.8 mg/m^3.	1 ppm.	Not Established

LT (NR15): ..... Not established

ODOR THRESHOLD: ..... Not available.

IDLH: ..... 1,4-Dioxane: 500 ppm.
Ethylene oxide: 800 ppm.

BIOLOGICAL EXPOSURE INDICES (ACGIH): ..... Not available**.**

ENGINEERING CONTROL MEASURES: ..... In closed environments, this product should be handled keeping proper exhaust (general diluter or local exhauster).

INDIVIDUAL PROTECTION MEASURES:

EYE PROTECTION: ..... Side shields or wide vision safety goggles.

SKIN PROTECTION: ..... PVC apron. It is recommended to adopt safety boots/shoes.

HAND PROTECTION: ..... Gloves made of: Rubber. PVC (Polyvinyl chloride).

RESPIRATORY PROTECTION: ..... In case of emergency or contact with high concentrations of the product, wear an air supplied mask or self contained breathing apparatus. It is recommended to wear face mask with organic vapors cartridge in case of exposure to vapors/aerosols.

VENTILATION: ..... Ensure adequate ventilation.

ADDITIONAL MEASURES: ..... Emergency eyewash and safety shower facilities should be available in the immediate work area.

REQUIRED WORK/HYGIENE: ..... Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: .....Clear to light straw
PHYSICAL STATE:.....Liquid
ODOR: .....Mild fragrance
ODOR THRESHOLD:.....Not available
pH:.....7 (+/- .25)

MELTING POINT/FREEZING POINT:<15°C (start of turbidity)
BOILING POINT: .....Not available
FLASHPOINT: .....ca. 210°C (open cup)
EVAPORATION RATE:.....Not available
FLAMMABILITY (SOLID/GAS): .....Not applicable
LOWER FLAMMABILITY LIMIT:.....Not available
UPPER FLAMMABILITY LIMIT: .....Not available
EXPLOSIVE LIMIT:.....Not available

VAPOR PRESSURE: .....<0.001 kPa (20°C)
VAPOR DENSITY (AIR=1): .....Not available
RELATIVE DENSITY (WATER=1):.....Not applicable
APPARENT DENSITY: .....Not applicable
SOLUBILITY: .....Soluble in water
AUTO-IGNITION TEMPERATURE:....Not available
DECOMPOSITION TEMPERATURE: . Not available
VISCOSITY:.....Not available

Meets NFPA® 1851 for mild detergent with a pH range of not less than 6.0 pH and not greater than 10.5 pH.

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:.....Stable under normal conditions of use and storage.
REACTIVITY:.....No hazardous reactivity is expected.
HAZARDOUS REACTIONS: .....Not polymerize.
CONDITIONS TO AVOID: .....High temperatures, ignition sources and prolonged exposure to the air.
INCOMPATIBLE MATERIALS:.....Avoid contact with: Strong oxidizing agents. Strong acids and bases at high temperatures. Compounds with high affinity for hydroxyl groups.
HAZARDOUS DECOMPOSITION PRODUCTS: In case of combustion it may generate carbon monoxide, besides CO2.
CONSIDERATIONS ON THE USE OF THE PRODUCT: Not available.

SECTION 11 – TOXICOLOGICAL INFORMATION (based on 100% raw materials)

ACUTE TOXICITY:

ORAL: .....LD50, rat: 1 g/kg.
INHALATION: .....LD50, 4h, rat: >1.6 mg/ L.
DERMAL:.....LD50, rat: 2000 mg/kg.

SKIN CORROSION/IRRITATION:..... Slight irritation (500 mg, 24H, rabbit).
SERIOS EYE DAMAGE/
EYE IRRITATION: ..... Severe irritant (100 mg, 24H rabbits).
RESPIRATORY OR SKIN
SENSITIZATION: ..... Not a skin sensitizer to guinea pigs.
GERM CELL MUTAGENICITY: ..... Negative in Ames test with and without metabolic activation.
CARCINOGENICITY: ..... Not available.
REPRODUCTIVE TOXICITY: ..... Not available.
SPECIFIC TARGET ORGAN TOXICITY
-SINGLE EXPOSURE : ..... Not available.
SPECIFIC TARGET ORGAN TOXICITY
-REPEATED EXPOSURE : ..... Not available.
ASPIRATION HAZARD:..... Not available.

SECTION 12 – ECOLOGICAL INFORMATION (based on 100% raw materials)

ECOTOXICITY: ..... Fish – LC50, 96h, Cyprinus carpio: 1.4 mg/L (static).
Invertebrate – LC50, 48h, Daphnia magna: 6.46 mg/L.
Algae – NOEC: 0.31 mg/L (growth rate).
BIODEGRADABILITY: ..... Readily biodegradable. 74% by BOD after 28 days.
BIOACCUMULATIVE POTENTIAL:.... Bioconcentration potential in aquatic organisms is low.
MOBILITY IN SOIL: ..... It is expected to have high mobility in soil.
OTHER ADVERSE EFFECTS:..... Water hazard class 2: Hazard to water.

SECTION 13 – DISPOSAL CONSIDERATIONS

PRODUCT:..... The preferred option for disposal include reuse, recycling, co-processing, finding a use for a by-product, incineration or other thermal destruction process at licensed facilities. All procedures must follow specific operation standards in order to reduce health, safety and environmental risks. Perform co-processing, incineration or other thermal destruction process at facilities capable of minimizing or reducing air pollution emissions. The disposal must comply with federal, state and local laws and regulations in accordance with the environmental agencies.
PRODUCT REMAINS: ..... Same method as indicated for product.
PACKAGING: ..... Do not cut or pierce the packaging, nor do hot work near them. Do not remove labels until the product has been fully removed and the packaging cleaned. The preferred options for disposal include reuse, recycling or reclamation at licensed facilities. All procedures must follow specific operations standards in order to reduce health, safety and environmental risks. The disposal must comply with local legislation and in accordance with standards from local environmental agencies.

SECTION 14 – TRANSPORTATION INFORMATION

LAND TRANSPORT U.S. DOT:..... Product not classified as hazardous in accordance with Resolution 420/2004 – Transport Ministry.

MARITIME TRANSPORT IMDG: ..... Product not classified as hazardous in accordance with IMDG Code – 2012 Edition – IMO (International Maritime Organization).

AIR TRANSPORT ICAO-TI and IATA-DGR:
Product not classified as hazardous in accordance with Dangerous Goods Regulations – 55th Edition – IATA (International Air Transport Association).

SECTION 15 – REGULATORY INFORMATION (based on 100% raw materials)

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.

APPLICABLE STANDARDS: ..... Resolution 420/2004 – Transport Ministry.
Dangerous Goods Regulations – 55th Edition – IATA (International Air Transport Association).
IMDG Code – 2012 Edition – IMO (International Maritime Organization).
Dangerous Goods by Road (ADR) – Available from January 1st, 2011 – UNECE (United Nations Economic Commission for Europe).

OSHA HAZARD COMMUNICATION STANDARD: ..... This product contains a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA TITLE III – SECTIONS 311/312 (40 CFR 370 SUBPARTS B AND C): .. Immediate (Acute) Health Hazard: Yes.
Delayed (Chronic) Health Hazard: No.
Fire Hazard: No.
Reactive Hazard: No.
Sudden Release of Pressure Hazard: No.

SARA TITLE III – SECTION 313 (40 CFR 372.65):..... This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

SARA TITLE III – SECTIONS 302 (40 CFR 355 APPENDIX A): ..... Ethylene oxide (CAS 75-21-8): 1 ppm. TPQ: 1000 lbs.

CERCLA (40 CFR 302.4)/SARA 304: .1,4-Dioxane (CAS 123-91-1): 10 ppm. RQ: 100 lbs.
Ethylene oxide (CAS 75-21-8): 1 ppm. RQ: 10 lbs.
Reportable Quantity (RQ) of this product is 10,000,000 pounds based upon 1,4-Dioxane/Ethylene oxide which yielded the lowest resultant RQ according to the following formula : CERCLA ingredient RQ/ % of that ingredient in the product.

NEW JERSEY HAZARDOUS SUBSTANCE LIST: .....1,4-Dioxane: Substance# 0789 (Special Health Hazard Code: CA – Carcinogen; F3 – Flammable 3rd degree).
Ethylene oxide: Substance# 0882 (Special Health Hazard Code: CA – Carcinogen: MU – mutagen; TE – Teratogen; F4 – Flammable 4th degree; R3 – Reactive 3rd degree).

CALIFORNIA PROPOSITION 65 (SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT) : .....WARNING! This product contains a chemical known in the State of California to cause cancer. – 1,4-Dioxane. – Ethylene oxide.

WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. – Ethylene oxide.

PENNSYLVANIA HAZARDOUS SUBSTANCE LIST: ..... 1,4-Dioxane (CAS 123-91-1) and Ethylene oxide (CAS 75-21-8) : Listed also as an environmental hazard and as a special hazardous substance.

INVENTORY STATUS:..... United States & Puerto Rico – Toxic Substances Control Act (TSCA) Inventory: Yes
Canada – Domestic Substances List (DSL): Yes.
Canada – Non-Domestic Substances List (NDSL): No.
Australia – Australian Inventory of Chemical Substances (AICS): Yes.
China – Inventory of Existing Chemical Substances in China (IECSC): Yes.
Europe – European Inventory of Existing Commercial Chemical Substances (EINECS): No
Europe – European List of Notified Chemical Substances (ELINCS): No.
Japan – Inventory of Existing and New Chemical Substances (ENCS): Yes.
Korea – Existing Chemicals List (SCL): Yes.
New Zealand – New Zealand Inventory: Yes.
Philippines – Philippine Inventory of Chemicals and Chemical Substances (PICCS): Yes
*a "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

SECTION 16 – OTHER INFORMATION

The information contained herein has been compiled from sources believed to be realiable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Winsol Laboratories Inc. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

Sections 8, 11, 12 & 15 are based on composition of 100% raw materials.

ISSUE DATE: 05/12/15
REVISION DATE: 12/18/19
REVISIONS: Reviewed updated industry data – updates to sections 1, 2, 3, 9, 14, 16 and formating