SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product Identifier

Product Name:	**AVASOL NR3**
Chemical Family:	Proprietary Complex Mixture/Preparation
CAS Number:	N/Ap

1.2 Relevant Identified Uses

Product Intended Uses:	Rubber Remover

1.3 Supplier Details

Name & Address:	Evergreen Solutions 64210, 393 Loop East Okotoks, AB T1S 0L1
Only Representative:	H2 Compliance Rubicon Building CIT Campus Bishopstown Cork Ireland +353 85-747-5627 1-800-610-5907 (M-F, 8am-5pm, MST) or +1 403 554-1402 (24 hours)
SDS Contact:	hbrar@evergreensolutions.com

1.4 Emergency Contact

Emergency Telephone:	1-613-996-6666 (CANUTEC) or 403-554-1402
Opening Hours:	1-800-610-5907 (M-F, 8am-5pm, MST) or +1 403 554-1402 (24 hours)
Phone Service Language:	English

SECTION 2: HAZARD IDENTIFICATION

2.1 Substance/Mixture Classification

Hazard Classification:	The product is not classified as hazardous according to Regulation (EC) No. 1272/2008 as amended.

2.2 Label Elements

Hazard Pictogram(s):	Not required.
Signal Word:	Not required.
Hazard Statement(s):	Not classified as hazardous.

Precautionary Statement(s)

Prevention:	*Not required, but the following precautions are recommended*: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P264 Wash exposed skin thoroughly after handling. P280 Wear protective gloves / protective clothing / eye protection/face protection.

Response:	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.
Storage:	P403 + P235 Store in a well-ventilated place. Keep cool.
Disposal:	P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Other Hazards

Other Hazard Classification: No hazards known.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

3.1 Substances

Ingredient Name	Identifiers	% W/W	Classification Per (EC) No. 1272/2008 [CLP]	Type
d-Limonene	EC: 227-813-5 CAS: 5989-27-5	1 – 5	H226, Flammable Liquids, Category 3 H304, Aspiration Hazard, Category 1 H315, Skin Irritation, Category 2 H317, Sensitization, Skin, Category 1 H410, Aquatic Toxicity, Chronic, Category 1	[A]
Sodium Citrate	EC:612-118-5 CAS: 6132-04-3	0.1 – 1	H319, Serious Eye Irritation, Category 2A H413, Aquatic Toxicity, Chronic, Category 4	[A]
Linear Alkyl Benzene Sulphonic Acid	EC: 248-289-4 CAS: 27176-87-0	1 – 5	H302, Acute Toxicity Oral, Category 4 H311, Acute Toxicity Dermal, Category 3 H314, Skin Corrosion/Irritation, Category 1 H318, Serious Eye Damage, Category 1	[A]

Type
[*] Substance
[A] Constituent
[B] Impurity
[C] Stabilizing Additive

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

SECTION 4: FIRST-AID MEASURES

4.1 Description of First Aid Measures

Eye Contact:	Check for and remove any contact lenses. Do not rub eyes. Immediately flush with warm running water, holding the eyelids apart and occasionally lifting the upper and lower eyelids, for 15 minutes. Call a physician if irritation develops.
Skin Contact:	Remove contaminated clothing and shoes, wash before reuse. Wash affected skin with soap and water or use a recognized skin cleanser. See physician if irritation develops.

Inhalation:	No toxic effect is expected. As precaution, remove affected victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing irregular or if respiratory assert occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion:	No toxic effect is expected. As precaution, rinse out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
First Aid Protection:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most Important Symptoms & Effects (Acute and Delayed)

Eye Contact:	May cause eye irritation.
Skin Contact:	No specific data.
Inhalation:	No specific data.
Ingestion:	No specific data.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Physician Notes:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific Treatments:	No specific treatment.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Media:	Extinguish preferably with water or dry foam.
Unsuitable Media:	Not available.

5.2 Special Hazards from Substance/Mixture

Hazards from substance:	Product is not combustible.
Hazardous Combustion Products:	Not available.

5.3 Advice for Firefighters

Special Protective Actions:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special Protective Equipment:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters

(including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Non-emergency Personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Emergency Responders:	Use personnel protection recommended in Section 8 to deal with the spillage. See also the information in "Non-emergency Personnel".

6.2 Environmental Precautions

Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and Materials of Containment and Cleanup

Small Spill:	Use appropriate tools to wipe up the product. Absorb with sand, towel or mop and place in an appropriate waste disposal container. Finish cleaning by spreading water on contaminated surface and dispose of per local and regional authority requirements.
Large Spill:	Stop the leak if possible. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Ventilate the area. Ventilate the area involved. Block release of the chemical from sewer or storm drains. Observe all personal protection equipment recommendations. Ensure personal protection during removal of spillages. Eliminate all ignition sources if safe to do so. Local authority should be advised if significant spill cannot be contained.

6.4 Reference to Other Sections

Additional Sections:	See Section 7 for handling and storage information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for Safe Handling

Protective Measures: Put on appropriate personal protective equipment (see Section 8). Avoid ingestion. Use only in well-ventilated areas. Keep away from oxidizing, acids. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited. Wash hands after using.

General Occupational Hygiene Advice: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for Safe Storage and Incompatibilities

Safe Storage: Store in a well-ventilated place. Do not store and transport with oxidizers etc. Keep container closed when not in use.
Storage Temperature $\leq$ 50 ºC.
Storage Life: Not available.

Incompatibilities: Oxidizing agents, Strong Acids

7.3 Specific End Use(s)

Recommendations: Not available.

Industrial Sector Specific Solutions: Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control Parameters

Occupational Exposure Limits:

Ingredient(s)	ACGIH
Limonene	30 ppm -TWA
Sodium Citrate	Not included to the list
Linear Alkyl Benzene Sulphonic Acid	Not included to the list

Recommended Monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Reference should be made to monitoring standards, such as the following:
European Standard EN 689 (Workplace atmospheres – Guidance for

the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy)
European Standard EN 14042 (Workplace atmospheres – Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents)
European Standard EN 482 (Workplace atmospheres – General requirements for the performance of procedures for the measurement of chemical agents)
Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs: No DNELs/DMELs available.

PNECs: No PNECs available.

8.2 Exposure Controls

Engineering Controls: Guarantee sufficient ventilation during and after use, to prevent vapor accumulation.

Individual Protection Measures

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: **safety glasses with side-shields or goggles.**

Skin Protection

Protective Handwear: **Chemical-resistant, impervious gloves** recommended to prevent drying of hands. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Environmental Exposure Controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance

Physical State:	Liquid
Color:	Amber
Odor:	Peach
Odor Threshold:	N/E
pH Factor:	10 – 11
Melting/Freezing Point:	0ºC (32ºF)
Boiling Point (°C):	N/Av
Flash Point:	N/Ap
Evaporation Rate:	N/E
Flammability:	N/Av
Explosive Limits:	None
Vapor Pressure:	N/Ap
Vapor Density (air = 1):	N/Av
Relative Density:	0.962
Solubility(ies):	N/Av
Partition Coefficient:	N/Av
Auto-ignition Temperature:	N/E
Decomposition Temp.:	N/Av
Viscosity:	N/Av
Explosive Properties:	N/E
Oxidizing Properties:	None

9.2 Other Information

Solubility in Water:	Soluble
Pour Point:	N/Av

SECTION 10: STABILITY AND REACTIVITY

10.1	**Reactivity:**	Strong oxidizing agents, strong reducing acids
10.2	**Chemical Stability:**	Stable under normal conditions.
10.3	**Possibility of Hazardous Reactions:**	Can react if in contact with strong oxidizing agents.
10.4	**Conditions to Avoid:**	Avoid contact with heat and ignition sources.
10.5	**Incompatible Materials:**	Strong oxidizing agents, strong reducing acids.
10.6	**Hazardous Decomposition Product(s):**	Carbon monoxide, Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological Effects Information

Acute Toxicity

Conclusion/Summary:	LD 50 (Oral, rat) ≥ 6,500 mg / kg LD50 (Dermal, rabbit) > 30, 000 mg/kg

Irritation/Corrosion

Skin:	Slight irritation in case of skin contact.

Sensitization

Conclusion/Summary:	Is not a skin sensitizer.

Mutagenicity

Conclusion/Summary:	No adverse mutagenic effects are anticipated.

Carcinogenicity

Conclusion/Summary:	The ingredients of this product are not classed as carcinogenic by ACGIH, IARC, OSHA.

Reproductive Toxicity

Conclusion/Summary:	No adverse reproductive effects are anticipated.

Teratogenicity

Conclusion/Summary:	No adverse teratogenic effects are anticipated.

Specific Target Organ Toxicity – Single Exposure

Conclusion/Summary:	Not available.

Specific Target Organ Toxicity – Single Exposure

Conclusion/Summary:	Not available.

Aspiration Hazard

Conclusion/Summary:	Not available.
Likely Routes of Exposure:	Oral, Dermal, Inhalation, Ingestion.

Potential Acute Health Effects

Eye Contact:	May cause eye irritation.
Inhalation:	May slightly irritate respiratory system, if used in poorly ventilated area.
Skin Contact:	Prolonged contact may cause slight skin irritation.
Ingestion:	No toxic effects are expected, but consult a physician if nausea, vomiting or stomach cramps develop.

Physical, Chemical and Toxicological Symptoms

Eye Contact:	No specific data.
Inhalation:	No specific data.
Skin Contact:	No specific data.
Ingestion:	No specific data.

Delayed and Immediate Effects and Chronic Effects from Short and Long-Term Exposure

Short Term Exposure

Potential Immediate Effects:	Not available.
Potential Delayed Effects:	Not available
Other information:	Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1	**Ecotoxicity:**	96-hour LC50 (Oncorhynchus Mykiss) = 35.95 mg/l
12.2	**Persistence & Degradability**	Inherent biodegradable.
12.3	**Bioaccumulative Potential:**	Not Available.
12.4	**Mobility in Soil:**	Not Available.
12.5	**PBT and vPvB Assessment:**	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
12.6	**Other Adverse Effects:**	None.

SECTION 13: DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste Treatment

Product

Disposal Methods:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous Waste:	The classification of the product may meet the criteria for a hazardous waste.

Packaging

Disposal Methods:	The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special Precautions:	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

		ADR	DOT	TDG	IMO/IMDG	ICAO/IATA
14.1	UN Number	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
14.2	UN Shipping Name	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap
14.3	Transport Hazard Class(es)	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap

14.4	Packaging Group	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap
14.5	Environmental Hazards	No	No	No	No	No

14.6 Special User Precautions: **Transport within user's premises:** Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Bulk Transportation: **According to Annex II of Marpol and the IBC Code:** Not available.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health & Environmental Regulations/Legislation

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV:	None of the components are listed.
Annex XVII:	Not applicable.
EU Regulations:	This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details. Chemical Safety Assessment: No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Other EU Regulations

Ozone Depleting Substanc (1005/2009/EU):	Not listed.
Prior Informed Consent (PIC) (649/2012/EU):	Not listed.
Seveso Directive:	This product is not controlled under the Seveso Directive.

International Regulations

Chemical Weapon Convention List:	Schedules I, II & III Chemicals: Not listed.
Montreal Protocol:	Annexes A, B, C, E: Not listed.
Stockholm Convention:	Persistent Organic Pollutant: Not listed.
Rotterdam Convention:	Prior Informed Consent: Not listed.
UNECE Aarhus Protocol:	POPs and Heavy Metals: Not listed.

Inventory List

Australia:	All components of this mixture are listed or exempted.
Canada:	All components of this mixture are listed or exempted.
China:	All components of this mixture are listed or exempted.
Europe:	All components of this mixture are listed or exempted.
Japan:	All components of this mixture are listed or exempted.
Malaysia:	All components of this mixture are listed or exempted.
New Zealand:	All components of this mixture are listed or exempted.
Philippines:	All components of this mixture are listed or exempted.
Republic of Korea:	All components of this mixture are listed or exempted.
Taiwan:	All components of this mixture are listed or exempted.

	Thailand:	Not determined.
	Turkey:	All components of this mixture are listed or exempted.
	United States:	All components of this mixture are listed or exempted.
	Vietnam:	Not determined.
15.2	**Chemical Safety Assessment:**	No chemical safety assessment has been carried out for mixture by the supplier.

SECTION 16: OTHER INFORMATION

Abbreviations and Acronyms

ATE:	Acute Toxicity Estimate
CLP:	Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL:	Derived Minimal Effect Level
DNEL:	Derived No Effect Level
EUH Statement:	CLP-specific Hazard statement
PBT:	Persistent, Bioaccumulative and Toxic
PNEC:	Predicted No Effect Concentration
RRN:	REACH Registration Number
vPvB:	Very Persistent and Very Bioaccumulative

Procedure Used to Derive the Classification According to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
The product is not classified as hazardous.	On basis of test data.

Full Text of Abbreviated H Statement

The product is not classified as hazardous.

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Prepared By:	Evergreen Solutions Corp.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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