



SAFETY DATA SHEET

MAX-BLEND 2022

Non-Flammable Solvent for SPOT CLEANING & DEGREASING Applications

1. Product and Company Information:

Product Name: Max-Blend 2022

Product General Use: Non-Flammable Solvent for Spot Cleaning Applications
for Industrial Uses Only

Sold By: American Niagara

6690 Jones Mill Court Bldgs. A&B / Norcross, GA 30092

Ph. 770-441-5900 / www.ancfirst.com / web@ancfirst.com


Emergency Telephone Number: 24 HOUR EMERGENCY RESPONSE

USA and CANADA: Ph. (800) 424-9300

Non-Emergency Telephone Number: 800-241-7708

2. Hazards Identification

HMIS RATING (Scale 0 to 4):

Signal Word	Warning
Symbol	

	HMIS
Health	1
Flammability	0
Physical Hazards	0



*Chronic Hazard (Long-term health effects may result from repeated overexposure.)

0= Minimal Hazard, 1= Slight Hazard, 2= Moderate Hazard, 3 = Serious Hazard, 4= Severe Hazard

Hazard Statements	May cause eye irritation May cause respiratory irritation May cause skin irritation May cause drowsiness or dizziness
Precautionary Statements	Keep away from heat/sparks/open flames/hot surfaces. - No smoking Do not breathe dust/fume/gas/mist/vapors/spray Wear protective gloves/protective clothing/eye protection/face protection Avoid release to the environment IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower In case of fire: Use carbon dioxide, dry chemical powder, alcohol foam or polymer foam for extinction IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing IF INHALED: Remove person to fresh air and keep comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell Store in a well-ventilated place. Keep container tightly closed Dispose of contents/container in accordance with national and international regulations

Occupation Exposure Limits: See Section 8 of this SDS

Additional Toxicological Information: See Section 11 of this SDS

3. Composition and Ingredient Information

Component	Synonym	CAS Number	Weight Percentage
Proprietary Fluorinated Solvent(s) – US EPA SNAP Program Approved		Proprietary Trade Secret	<15.0%
trans-Dichloroethylene	trans-1,2-Dichloroethene	156-60-5	>85.0%

4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

Ingestion: Do not induce vomiting. Seek medical attention.

Skin: Remove contaminated clothing. Thoroughly wash affected area with soap and water; use skin cream if irritation is severe.

Eyes: Immediately flush eyes with water for 15 minutes. Call a physician if irritation persists.

Anesthetic Effects of High Exposure: Light-headedness, irregular heartbeat, chest sensitization, fainting, dizziness and/or weakness. Notes to Physician: Do not give adrenaline or similar drugs if there is possible disturbances of cardiac rhythm, Catecholamine drugs, such as epinephrine, that may possibly be used in situations requiring emergency life support, but should be used with special caution.

5. Fire Fighting Measures

FLASH POINT: NONE by ASTM D56 and ASTM D93

FLAMMABILITY LIMITS: LEL / UEL: 7.0% to 15% by volume in air

AUTOIGNITION: Undetermined

Extinguishing Media: Use dry chemical, chemical foam, or carbon dioxide as dictated by the surrounding circumstances.

Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus (set on positive pressure mode) and personal protective equipment. Avoid skin and eyes contact in fire situations.

Unusual Fire and Explosions Hazard: In fires, toxic and corrosive gases may be released. Vapor will form a flammable mixture in a narrow concentration range of 7.0% to 15.0% by volume in air. Combustion produces carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen fluoride and other chlorinated and fluorinated compounds..

6. Accidental Release Measures

Contain spillage or leakage with dikes or absorbent material to prevent migration into sewer or waterway. Absorb spill with an inert material and place in a chemical waste container for disposal. For large spills, evacuate and ventilate the area. Wear self-contained breathing apparatus and recommended personal protective equipment. Observe government regulations.

7. Handling and Storage

HANDLING: Handle in accordance with good industrial hygiene and safety practices. Always provide ventilation and minimize the inhaling solvent vapor and mist. Wear protective clothing, eyewear and gloves (see other sections of SDS for more details).

STORAGE: Store in well ventilated, cool, dry area. Store in original container only. Keep container closed when not in use. Minimize introduction of water or moisture into the product. Avoid Freezing temperatures. If stored below 10°F (-12°C) then the product must be thawed and mixed prior to usage.

STORAGE TEMPERATURE: Avoid overheating (temperatures above 125°F) and freezing (temperatures below 10°F).

8. Exposure Controls and Personal Protection

Component	Weight Percentage	Workplace Exposure Limits / Recommendations
Proprietary Fluorinated Solvent(s) – US EPA SNAP Program Approved	<15.0%	OSHA PEL: Not Established ACGIH TLV: None US EPA SNAP Program: >200ppm 8 hour TWA, (Note: The least favorable of all Workplace Exposure Limits/ Recommendations of these proprietary comports are listed herein)
trans-Dichloroethylene CAS: 156-60-5	>85.0%	OSHA PEL: 200 ppm ACGIH TLV: 200ppm

RESPIRATORY PROTECTION: Use NIOSH approved organic vapor respirator if ventilation is not sufficient. Of particular concern are when filling, emptying or maintaining your cleaning equipment and at other instances where there is a likelihood of high emissions of solvent vapor.

VENTALATION AND PROPER EQUIPMENT CONTROLS: Exposure to the product can be minimized through use of appropriate ventilation and emission controls and proper equipment maintenance.

CLOTHING/GLOVES: Wear safety glasses. Use of gloves is recommended. Gloves rated for organic solvents offer the best extended protection. Nitrile, neoprene, or butyl gloves offer less protection and should be used for splash protection only. DO NOT use natural rubber gloves when handling this product.

EYE PROTECTION: Always wear safety goggles or full face shield.

WORK/HYGIENIC PRACTICES: Do not eat, drink, or smoke while working with this product. Launder soiled clothes. Provide emergency eye bath and safety shower.

9. Physical Properties

APPERANCE AND ODOR: Clear Colorless Liquid with Ether-Like Odor

BOILING POINT: (760 mm Hg): 117°F (47°C)

FREEZE POINT: (760 mm Hg): <-45°F (<-43°C)

FLASHPOINT: By ASTM D56 and ASTM D93: NONE
SPECIFIC GRAVITY: (25/25°C, H₂O = 1): 1.27 to 1.30
VAPOR PRESSURE: (atm @ 25° C): 0.45
VAPOR DENSITY: 4.3
SOLUBILITY IN WATER: Negligible (0.14 g/100ml)
LOWER / UPPER EXPLOSION LIMITS: 7% to 15% by Volume in Air
REACTIVITY IN WATER: Not Readily Hydrolyzed

10. Stability and Reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid open flame, electric arc and other high energy ignition sources.

INCOMPATIBILITY: Incompatible with strong alkalis, oxidizers, strong bases, and reactive metals.

HAZARDOUS DECOMPOSITION: Thermal decomposition produces carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen fluoride and other chlorinated and fluorinated compounds..

HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

Proprietary Fluorinated Solvent(s)*

LD50/ Oral/ Rat: >5000 mg/kg

LD50/ Dermal/ Rat: > 5000 mg/kg

Slight Skin Irritant – Rabbit Testing

Slight Eye Irritant – Rabbit Testing

Mutagenicity: Tests on bacteria, mammal cell cultures and animals did not show mutagenic effects.

Carcinogenicity – Not listed by IARC

(*Note: Most severe effect among proprietary components are listed).

trans-Dichloroethylene (CAS 156-60-5)

LD50/Oral/Rat: >7,902 mg/kg

LD50/ Dermal/ Rat: >5,000 mg/kg

LC50/ Inhalation/ 4 Hour / Rat: 96 mg/l

Skin irritant - Rabbit Testing

Mild eye irritant – Rabbit Testing

Mutagenicity: Tests on bacteria, mammal cell cultures and animals did not show mutagenic effects.

Carcinogenicity – Not listed by IARC

12. Ecological Information

trans-Dichloroethylene (CAS 156-60-5)

96 hour LC50 for flathead minnows: 27.2 bluegill sunfish 135 mg/l

48 hour LEC50 for Daphnia magna: 79 220 mg/l

13. Disposal Considerations

Follow all Federal, State and Local governmental regulations. DO NOT flush into sanitary sewer or waterway.

14. Transportation Information

CLASSIFICATION:

FOR 1, 5, 30 and 55 GALLON PACKAGES: Not regulated for transportation by US DOT or USPS for shipment

FOR PACKAGES GREATER THAN 1000lbs.: Regulated for Shipment – Contact Manufacturer for Specific Details

PROPER SHIPPING NAMES: Cleaning Solvent Mixture

15. Regulatory Information

HMIS RATING (Scale 0 to 4):

	HMIS
Health	1
Flammability	0
Physical Hazards	0



TCSA: All components of this product are listed on the EPA TSCA inventory.

NESHAP: Not Regulated under NESHAP

RCRA: N/A

HAP: Not a Hazardous Air Pollutant under NESHAP

SARA: Section 304 (RQ): None of the components have a RQ

Section 302 (TPQ): None of the Components have a TPQ

Section 313: The following components are subject to the reporting requirements of Section 313 of SARA Title III: trans-Dichloroethylene (CAS 156-60-5)

CERCLA: RQ of 1000 lbs. for trans-Dichloroethylene (CAS 156-60-5)

US EPA SNAP PROGRAM:

- **FINAL USE APPROVAL:** USEPA SNAP Program Final Approval was issued for in Metal Cleaning, Electronics Cleaning and Precision Cleaning for all solvent components in the AeroTron Formulation.

California Proposition 65: None

PA Right to Know Regulated Chemical(s): Substances on the PA Hazardous Substances List present at a concentration greater than 1.0%: trans-Dichloroethylene

NJ Right to Know Regulated Chemical(s): Substances on the NJ Workplace Hazardous Substances List present at a concentration of 1.0% or more: trans-Dichloroethylene

EEC (EINECS): Ingredients Listed **CANADA (DSL):** Ingredients Listed

Not for sale or use in California, especially Southern California due to VOC percentage. To obtain special permission, google SCAQMD South Coast Air Quality Management District

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16. Other Information:

AMERICAN NIAGARA offers the information and opinions contained in this Safety Data Sheet as a guide to the physical characteristics and use of this Product and believe it to be accurate as of the date of this document. However, it is the responsibility of the user to establish the suitability of the Product for their particular application and to establish the conditions for safe use of the product and compliance with all applicable laws and regulations. AMERICAN NIAGARA disclaims all warranties, express or implied, in connection with the opinions and information contained herein and the use of the Product.

END OF SDS