

SAFETY DATA SHEET

MISNUA12

Date Prepared : 1/15/2015

SDS No : NUA

Nu-Aire Refresh

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nu-Aire Refresh

GENERAL USE: Eliminate odors caused by smoke, animals, cooking, etc.

PRODUCT DESCRIPTION: Concentrated Odor Counteractant & Smoke Eliminator

PRODUCT CODE: NUA

CHEMICAL FAMILY: Fragrance blend

MANUFACTURER

MISCO Products Corporation

1048 Stinson Drive

Reading, PA 19605

Emergency Phone: 610-926-4106

Customer Service: 800-548-4568

Transportation: 800-548-4568

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEM-TEL (Medical and Transportation): 800-255-3924

POISON CONTROL CENTER (Medical): 800-222-1222

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye Irritation, Category 2A

Skin Irritation, Category 2

Physical:

Combustible Liquid, Category 4

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H227: Combustible liquid.

PRECAUTIONARY STATEMENT(S)

Prevention:

P262: Do not get in eyes, on skin, or on clothing.

P233: Keep container tightly closed.

P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

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.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P370+P378: In case of fire: Use dry chemical, alcohol-resistant foam for extinction.

Storage:

P404: Store in a closed container.

P403: Store in a well-ventilated place.

Disposal:

P501: Dispose of contents/container in accordance with local, state and federal regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear Liquid

IMMEDIATE CONCERNS: Eye & Skin irritant

POTENTIAL HEALTH EFFECTS

EYES: Contact causes severe eye irritation.

SKIN: Contact may cause moderate to severe irritation.

SKIN ABSORPTION: None Expected.

INGESTION: Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.

INHALATION: None Expected.

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: None known.

CARCINOGENICITY: No listed substance

MUTAGENICITY: None known.

MEDICAL CONDITIONS AGGRAVATED: Previous skin conditions such as dermatitis may be aggravated.

ROUTES OF ENTRY: Eye, skin, ingestion.

WARNING CAUTION LABELS: Irritant

PHYSICAL HAZARDS: No known significant effects or critical hazards.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Nonylphenol Ethoxylate	0 - 5	9016-45-9
Isopropanol	0 - 3	67-63-0
2-propenoic acid, 2-methyl-,dodecyl ester	0 - 2	142-90-5
Fragrance	< 0.5 - 5	N/A
Water	90 - 95	7732-18-5

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burning sensation with tearing, redness.

SKIN: Prolonged contact will cause irritation marked by redness, burning sensation.

SKIN ABSORPTION: None Expected.

INGESTION: Irritation of mouth, throat, along with stomach upset, vomiting.

INHALATION: Headache, dizziness, nausea.

ACUTE TOXICITY: Not Established

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None

GENERAL HAZARD: NA = Not Applicable

EXTINGUISHING MEDIA: Not required.

HAZARDOUS COMBUSTION PRODUCTS: None

EXPLOSION HAZARDS: No known significant effects or critical hazards.

FIRE FIGHTING PROCEDURES: No special requirements.

FIRE FIGHTING EQUIPMENT: None

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

LARGE SPILL: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid discharges into open waterways.

LAND SPILL: Avoid discharge to soil.

GENERAL PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

SPECIAL PROTECTIVE EQUIPMENT: Eye protection, rubber gloves, rubber boots to protect feet.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Close container after use.

HANDLING: No special requirements.

STORAGE: Store in area inaccessible to children.

STORAGE TEMPERATURE: Store at ambient temperatures.

STORAGE PRESSURE: Store at ambient atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Isopropanol	TWA	400	980	200	490	NL	NL
	STEL			400	960	NL	NL

ENGINEERING CONTROLS: No special requirements.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: Rubber or other chemical resistant gloves.

RESPIRATORY: A respirator is not needed under normal and intended conditions of product use.

PROTECTIVE CLOTHING: No special requirements.

WORK HYGIENIC PRACTICES: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Fresh

ODOR THRESHOLD: Not Established

COLOR: Light Yellow

pH: 6.5 to 7.5

PERCENT VOLATILE: >90

FLASH POINT AND METHOD: None

FLAMMABLE LIMITS: None

AUTOIGNITION TEMPERATURE: None

VAPOR PRESSURE: ≤ 20 mm Hg at (68°F)

VAPOR DENSITY: ≤ 1 Air = 1

BOILING POINT: 212° F; 100° C

FREEZING POINT: 32° F; 0° C

MELTING POINT: Not Available

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: (Water =1) 1.0

DENSITY: 8.30 at (68°F)

SPECIFIC GRAVITY: 0.995 grams/ml.

VISCOSITY: Water thin.

(VOC): 2.450 % by weight

10. STABILITY AND REACTIVITY

REACTIVITY: None

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal storage and use conditions.

CONDITIONS TO AVOID: No special requirements.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Available

INCOMPATIBLE MATERIALS: Strong acids, oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Nonylphenol Ethoxylate	1 6000 mg/kg (rat)	4490 mg/kg (rabbit)	
Isopropanol	5045 mg/kg (rat)	12800 mg/kg (rabbit)	1 6000 ppm

EYES: Not Established

DERMAL LD₅₀: Not Established

SKIN ABSORPTION: None Expected.

ORAL LD₅₀: Not Established

INHALATION LC₅₀: Not Established

EYE EFFECTS: Moderate to severe eye irritant.

SKIN EFFECTS: May irritate skin with prolonged or repeated contact.

CARCINOGENICITY

IARC: No listed substance

IRRITATION: Irritant

SENSITIZATION: No known significant effects or critical hazards.

NEUROTOXICITY: No known significant effects or critical hazards.

REPRODUCTIVE EFFECTS: No known significant effects or critical hazards.

TARGET ORGANS: No known significant effects or critical hazards.

MUTAGENICITY: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Established

ECOTOXICOLOGICAL INFORMATION: Not Established

AQUATIC TOXICITY (ACUTE): Not Established

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Small amounts (less than 1 gallon) may be diluted with copious amounts of water and disposed of into sanitary sewer.

FOR LARGE SPILLS: Consult with local and state authorities for large volume disposal.

PRODUCT DISPOSAL: See above.

EMPTY CONTAINER: Rinse container with clear water. Offer container for recycling, or dispose of in trash.

RCRA/EPA WASTE INFORMATION: NA = Not Applicable

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Cleaning Compound, not regulated.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Cleaning Compound, not regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Cleaning Compound, not regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Cleaning Compound, not regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Health - Acute

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

313 REPORTABLE INGREDIENTS: NA = Not Applicable

302/304 EMERGENCY PLANNING

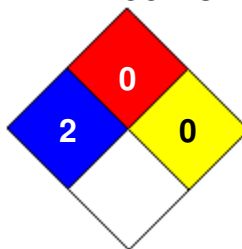
EMERGENCY PLAN: NA = Not Applicable

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**CERCLA REGULATORY:** NA = Not Applicable**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Nonylphenol Ethoxylate	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance
Isopropanol	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance

CALIFORNIA PROPOSITION 65: None**CARCINOGEN:** No listed substance**16. OTHER INFORMATION****PREPARED BY:** Regulatory Affairs Department**Date Prepared:** 1/15/2015**HMIS RATING**

HEALTH		2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES

MANUFACTURER DISCLAIMER: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.

NU-AIRE REFRESH



Scan for product's
Material Safety Data Sheet

Concentrated Odor Counteractant & Smoke Eliminator

FEATURES

- Concentrated
- Odor counteractant
- Can be used as deodorant booster

BENEFITS

- Economic use
- Doesn't just mask odors but destroys them
- Leaves surfaces smelling clean

AREAS OF USE:

- Carpets
- Toilets
- Dumpsters
- Drapes

DIRECTIONS

HAND SPRAYING: Spray undiluted product with a fine mist into air, onto carpets, drapes or directly onto source of odor.

DAMP MOPPING: Dilute 2 ounces per gallon into mop bucket cleaning solution and mop onto surface.

LAUNDRY: Add 1 - 2 ounces of concentrate to rinse cycle or add with softener to dispenser.

CARPET USE: Add 1 - 2 ounces of concentrate to each gallon of diluted solution.

HOLDING TANKS: Add directly to holding tank. Use approximately 2 - 3 ounces for every 10 gallons of holding tank capacity.

This product meets the maximum content requirements for Volatile Organic Compounds (VOCs) as established by State and Federal regulations.

CAUTION

EYE IRRITANT. MAY CAUSE SKIN IRRITATION WITH PROLONGED CONTACT. Avoid contact with skin, eyes, and clothing. Avoid prolonged breathing of concentrated vapors. Avoid breathing of mists. Do not take internally. Harmful if swallowed. Keep out of the reach of children. For professional use only.

FIRST AID

EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists, call a physician.

SKIN CONTACT: Wash thoroughly with water. If irritation persists, call a physician.

INGESTION: Immediately drink large quantities of water. Do not induce vomiting. Call Poison Control Center or physician immediately.

INHALATION: Remove to fresh air. Seek medical attention if victim is not responsive.

SPECIFICATIONS:

Color:

Light Yellow

Odor:

Pleasant

pH:

7.0 - 7.5

Viscosity:

Water Thin

Solubility:

Complete with water

Deodorizing:

Excellent

Dilution:

Ready to use -1:64

Rinsability:

Excellent

Flash Point:

None

Biodegradability:

Complete

Storage/Stability:

2 years

Weight per Gallon:

8.42 lbs./gal.

Freeze / Thaw Stability:

Keep from freezing



1048 Stinson Drive, Reading PA 19605
Phone: 1-800-548-4568

www.miscoproducts.com

HEALTH			1
FLAMMABILITY			0
PHYSICAL HAZARD			0
PERSONAL PROTECTION			A



NU-AIRE REFRESH

Concentrated Odor Counteractant & Smoke Eliminator



Availability:

Packaging	Item #
2 - 2.5 Gal.	NUA-25MN
5 Gal.	NUA-05MN
55 Gal.	NUA-55MN
275 Gal.	NUA-BKMN

Carpets
alfombras

Toilets
baños

Dumpsters
contenedores de basura

Drapes
cortinas

DESCRIPTION

A highly concentrated liquid odor counteractant that chemically neutralizes the source of malodors and leaves a pleasant, long-lasting fragrance. The powerful multi-purpose odor counteractant removes malodors caused by tobacco, smoke, urine, vomit, body waste, pets, garbage, fire, food spills and cooking odors. Ideal for use in institutions, hospitals, apartments, sanitariums, restaurants, factories, schools, hotels, kitchens, restrooms, latrines, septic systems, dumpsters, recreational vehicles or anywhere malodors are a problem. May also be used as a deodorant booster for carpet cleaners and general purpose cleaners.



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