



## Safety Data Sheet

# #1 Network Pro One AR-HAC:

Alcohol Replacement SDS Revision Date: 2/2/2015

### 1. Identification Of The Substance / Mixture And Of The Company / Undertaking

#### 1.1. Product Identifier

Product Identity **#1 NETWORK PRO ONE AR-HAC**  
Alcohol Replacement  
Alternate Names Product Number: 805802, 804051, 804052, 804053, 804054, 804055, 23046

#### 1.2. Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Intended Use See Technical Data Sheet  
Application Method See Technical Data Sheet

#### 1.3. Details Of The Supplier Of The Safety Data Sheet

Distributor **#1 NETWORK, INC.** 307 Professional Park Ave. Effingham, IL 62401  
CHEMTREC (USA) 800-424-9300  
Customer Service 217-536-5737

### 2. Hazard Identification Of The Product

#### 2.1. Classification Of The Substance Or Mixture

Combustible Liquid;	H227	Combustible liquid
Acute Tox. 5;	H303	May be harmful if swallowed
Acute Tox. 4;	H312	Harmful in contact with skin
Acute Tox. 4;	H332	Harmful if inhaled
Skin Irrit. 2;	H315	Causes skin irritation
Eye Dam. 1;	H318	Causes serious eye damage
STOT SE 3;	H335	May cause respiratory irritation

#### 2.2. Label Elements

Using the Toxicity Data listed in Sections 11 and 12, the product is listed as follows:

Signal Word: **DANGER!**

H227 Combustible Liquid  
H303 May be harmful if swallowed  
H312 Harmful in contact with skin  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H332 Harmful if inhaled  
H335 May cause respiratory irritation



#### [ Prevention ]

P210 Keep away from heat, sparks, open flames, and hot surfaces - No smoking  
P261 Avoid breathing dust, fume, gas, mist, vapors, spray  
P264 Wash thoroughly after handling  
P271 Use only outdoors or in a well-ventilated area  
P280 Wear protective gloves, eye protection, and face protection

#### [ Response ]

P302 + P352 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician  
P304 + P312 IF INHALED: Immediately call a POISON CENTER or doctor / physician  
P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present, - continue rinsing.  
P310 Immediately call a POISON CENTER or doctor / physician  
P321 Specific treatment (see information on this label)  
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P362 Take off contaminated clothing and wash before reuse  
P363 Wash contaminated clothing before reuse

#### [ Storage ]

P403 + P235 Store in a well ventilated place. Keep cool.  
P405 Store locked up

#### [ Disposal ]

P501 Dispose of contents and container in accordance with local and national regulations

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## 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%	GHS Classification	Notes
Ethylene Glycol Monobutyl Ether (CAS No: 111-76-2)	50 - 70	Acute Tox. 4; H332, H312, H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315	[ 1 ]
Propanoic Acid, 2-Hydroxy-, Ethyl Ester (CAS No: 97-64-3)	30 - 40	Flam. Liq. 3; H226 STOT SE 3; H335 Eye Dam. 1; H318	[ 1 ]

[ 1 ] Substance classified with a health or environmental hazard

[ 2 ] Substance with a workplace exposure limit

[ 3 ] PBT-Substance or vPvB-Substance

\* The full texts of the phrases are shown in Section 16

## 4. First Aid Measures

### 4.1. Description Of First Aid Measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart. DO NOT remove contact lenses, if worn. Get immediate medical attention, preferably from an ophthalmologist.
<b>Skin</b>	Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation or allergic reaction develops.
<b>Ingestion</b>	Seek medical attention or contact a poison control center for advice about whether to induce vomiting. If conscious, give two glasses of water. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on left side with head down.

### 4.2. Most Important Symptoms And Effects, Both Acute And Delayed

<b>Overview</b>	<b>Eye Contact:</b> Causes severe irritation and burns, experienced as discomfort or pain, excess blinking and tear production, with marked excess redness and swelling. <b>Inhalation:</b> High concentrations of vapor cause irritation to the respiratory tract, experienced as nasal discomfort, discharge, chest pain, and coughing. Headache, nausea, vomiting, dizziness, and drowsiness may occur. <b>Ingestion:</b> Moderately toxic. May cause headache, dizziness, in coordination, nausea, vomiting, diarrhea and general weakness. Ingestion of significant quantities may result in red blood cell hemolysis. <b>Skin Contact:</b> May cause irritation or reddening with itching. <b>Signs And Symptoms Of Exposure:</b> Eye irritation, respiratory irritation, central nervous system depression, dermatitis, difficulty breathing, nausea, diarrhea, headache, blood in the urine, kidney and liver damage. <b>Aggravated Medical Conditions:</b> Skin contact may aggravate an existing dermatitis. <b>Carcinogenicity:</b> The components of this product are listed by IARC, NTP, or OSHA as carcinogen. See Section 2 for further details.
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<b>Inhalation</b>	Harmful if inhaled
<b>Eyes</b>	Causes serious eye damage
<b>Skin</b>	Harmful in contact with skin. Causes skin irritation.
<b>Ingestion</b>	May be harmful if swallowed

## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

Apply alcohol-type or all-purpose-type foam by manufacturer's technique for large fires. Use carbon dioxide or dry chemical media for small fires.

### 5.2. Special Hazards Arising From The Substance Or Mixture

Hazardous decomposition: Oxides of Carbon. Keep away from heat, sparks, open flames, hot surfaces - No smoking. Avoid breathing dust, fume, gas, mist, vapors, spray.

### 5.3. Advice For Firefighters

Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full-face piece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. Do not direct a solid stream of water into hot, burning pools; this may cause frothing and increase fire intensity.

Unusual Fire And Explosion hazards: Combustible liquid. The components in this material may produce a floating fire hazard in extreme fire conditions.

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment, And Emergency Procedures

Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapor levels are below the Lower Explosive Limit before re-entering.

### 6.2. Environmental Precautions

Do not allow spills to enter drains or watercourses. 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

Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

## 7. Handling And Storage

### 7.1. Precautions For Safe Handling

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids. See section 2 for further details [Prevention].

### 7.2. Conditions For Safe Storage, Including Any Incompatibilities

Handle containers carefully to prevent damage and spillage. Store in a cool dry area, away from heat, sparks and open flame. Keep containers sealed when not in use. Store out of direct sunlight. Incompatible materials: Caustics. Acids. Oxidizers. Do not store or consume food, drink, or tobacco where they may become contaminated with this material. Containers of this material may be hazardous when empty since they may contain product residues (vapor, liquid, and/or solid). All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse containers. Dispose of in a licensed facility. Recommended crushing or other means to prevent re-use. Store separate from oxidizing agents. Triple rinse before disposal.

Process Hazard: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperatures and pressure, or sudden ingress of air into hot equipment under vacuum, may result in ignitions without the presence of obvious ignition sources. See section 2 for further details [Storage].

### 7.3. Specific End Use(s)

No data available.

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## 8. Exposure Controls And Personal Protection

### 8.1. Control Parameters

CAS No.	Ingredient	EXPOSURE	
		Source	Value
97-64-3	Propanoic Acid, 2-Hydroxy-, Ethyl Ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
111-76-2	Ethylene Glycol Monobutyl Ether	OSHA	TWA: 50 ppm (240 mg/m <sup>3</sup> ) [skin]
		ACGIH	TWA: 20 ppm - Revised 2003
		NIOSH	TWA: 5 ppm (24 mg/m <sup>3</sup> ) [skin]
		Supplier	No Established Limit

### CARCINOGEN DATA

CAS No.	Ingredient	CARCINOGEN DATA	
		Source	Value
97-64-3	Propanoic Acid, 2-Hydroxy-, Ethyl Ester	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
111-76-2	Ethylene Glycol Monobutyl Ether	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

### 8.2. Description Of First Aid Measures

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Safety glasses with side shields (or goggles).
<b>Skin</b>	Butyl gloves are recommended. Rubber apron.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Safety showers and eye wash stations should be provided in areas where this product is used. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See Section 2 for further details [Prevention].

## 9. Physical And Chemical Properties

### 9.1.

<b>Appearance</b>	Clear liquid	<b>Melting Point / Freezing Point</b>	Not Measured
<b>Odor</b>	Specific	<b>Initial Boiling Point / Boiling Range</b>	309°F to 336°F
<b>Odor Threshold</b>	Not Measured	<b>Evaporation Rate</b>	Not Measured
<b>Flashpoint</b>	> 141.8°F	<b>Upper / Lower Flammability or</b>	Lower: 1.1% (2-Butoxy Ethanol)
<b>pH</b>	NA	<b>Explosive Limits</b>	Upper: 0.6%
<b>Flammability (Solid, Gas)</b>	NA	<b>Partition Coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Vapor Pressure (PA)</b>	1.02 mm Hg @ 20°C	<b>Solubility In Water</b>	Miscible
<b>Vapor Density</b>	Heavier Than Air (Air = 1)	<b>Auto-Ignition Temperature</b>	Not Measured
<b>Specific Gravity</b>	0.94	<b>Decomposition Temperature</b>	Not Measured
<b>Density</b>	7.87 lbs per gallon	<b>Viscosity (cSt)</b>	Not Measured
<b>% Volatile</b>	100	<b>Photochemically Reactive</b>	No
<b>V.O.C.</b>	944 gm/L, 100%, 7.87 lb/gal	<b>Maximum Grams of V.O.C. per Liter</b>	944

### 9.2. Other Information

No other relevant information.

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**10. Stability And 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 alkalis.
- 10.5. Incompatible Materials:** Caustics. Acids. Oxidizers.
- 10.6. Hazardous Decomposition Products:** Oxides of Carbon

**11. Toxicological Information**

**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
Propanoic Acid, 2-Hydroxy-, Ethyl Ester 97-64-3	8,200.00 Rat Category: NA	5,000.00 Rabbit Category: 5	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
Acute Toxicity (dermal)	4	Harmful in contact with skin
Acute Toxicity (inhalation)	4	Harmful if inhaled
Skin Corrosion / Irritation	2	Causes skin irritation
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. Ecological Information**

**12.1. Toxicity**

No additional information provided for this product. See Section 3 for chemical specific data.

**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	Not Available
Propanoic Acid, 2-Hydroxy-, Ethyl Ester 97-64-3	320.00, Danio Rerio	560.00, Daphnia Magna	2,300.00 (72 Hr), Pseudo-kirchneriella Subcapitata

**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.

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### 14. Transport Information

#### NON-BULK DOMESTIC GROUND

This material is not regulated for domestic ground shipments by the U.S. Department of Transportation (DOT) when transported in non-bulk (a packaging which has a maximum capacity of 119 gallons or less as a receptacle for a liquid). Reference 49 CFR 173.120 (b) (2) and 173.150 (f) (1).

In summary, for **non-bulk domestic ground shipments**:

**DOT Class:** Not Regulated  
**Hazard Class:** Not Applicable  
**UN No.:** Not Applicable

#### BULK DOMESTIC GROUND

If this material is offered for domestic ground shipment in bulk (a packaging which has a maximum capacity greater than 119 gallons as a receptacle for a liquid), then the material is regulated. Reference 49 CFR 173.120 (b) (2) and 173.150 (f) (2).

In summary, for **bulk domestic ground shipments**:

**DOT Shipping Name:** NA 1993, Combustible Liquid, N.O.S. (Contains Ethyl Lactate and 2-Butyoxo Ethanol)  
**Hazard Class:** Combustible  
**UN No.:** NA 1993  
**Packing Group:** III  
**Guide No.:** 128

The domestic provisions provided for in non-bulk and bulk ground shipments are not valid for transportation by aircraft or vessel and they are not valid for international shipments. Please follow the appropriate DOT regulations in 49 CFR and the information referenced where appropriate in the IATA Dangerous Goods Transportation Regulation, the International Maritime Organization (IMO), the International Civil Aviation Organization (ICAO) and our NFTA partner hazardous material regulation requirements).

#### OCEAN TRANSPORTATION

In summary, for **ocean shipments**:

**Proper Shipping Name:** Not Regulated  
**UN No.:** Not Regulated  
**Packing Group:** Not Regulated  
**IMDG:** Not Applicable  
**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.

**TSCA** All listed components either appear or are exempt from the Toxic Substances Control Act (TSCA) Inventory.

**CERCLA** Reportable Quantity (RQ) (40 CFR 117.302): None.

**Carcinogenicity** None of the components in this chemical are present above minimum amounts listed by IARC, NTP, or OSHA as a carcinogen.

**WHMIS Classification** B3, D2B, E

**US EPA Tier II Hazards** **Fire:** Yes **Sudden Release of Pressure:** No **Reactive:** No **Immediate (Acute):** Yes **Delayed (Chronic):** Yes

**SARA Title III** Ethylene Glycol Monobutyl Ether is a toxic chemical(s) subject to the reporting of Section 313 of Title III and of 40 CFR 372.

**California PROP 65:** None

**EPCRA 311/312 Chemicals and RQs:** None Listed

**EPCRA 313 Toxic Chemicals:** Ethylene Glycol Monobutyl Ether

**Proposition 65 - Developmental Toxins (>0.0%):** None Listed

**Proposition 65 - Male Repro Toxins (>0.0%):** None Listed

**Proposition 65 - Female Repro Toxins (>0.0%):** None Listed

**N.J. RTK Substances (>1%):** Ethylene Glycol Monobutyl Ether & Propanoic Acid, 2-Hydroxy-, Ethyl Ester

**Penn RTK Substances (>1%) :** Ethylene Glycol Monobutyl Ether & Propanoic Acid, 2-Hydroxy-, Ethyl Ester

## 16. Other Information

### HMIS

Health: 2  
Flammability: 2  
Reactivity: 0

### SCAQMD Rule 443.1

Photochemically Reactive: No  
Maximum Grams of VOC per Liter: 944 gm/L  
Vapor Pressure: 1.02 mm Hg @ 20°C

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.

### The full text of the phrases appearing in section 3 is:

**H226** Flammable liquid and vapor  
**H302** Harmful if swallowed  
**H312** Harmful in contact with skin  
**H315** Causes skin irritation  
**H318** Causes serious eye damage  
**H319** Causes serious eye irritation  
**H332** Harmful if inhaled  
**H335** May cause respiratory irritation

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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