



#1 Network Pro One AR-KDC:

Alcohol Replacement SDS Revision Date: 3/18/2015

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

1.1. Product Identifier

Product Identity **#1 NETWORK PRO ONE AR-KDC**
Alcohol Replacement
Alternate Names Product Number: 805873, 804187, 804188, 804189, 804190, 23171

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

Company Name **#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

Acute Tox. 5; H303 May be harmful if swallowed
Acute Tox. 5; H313 May be harmful in contact with skin
Acute Tox. 4; H332 Harmful if inhaled
Skin Irrit. 2; H315 Causes skin irritation
Eye Irrit. 2; H319 Causes serious eye damage

2.2. Label Elements

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

Signal Word: **WARNING!**



H303 May be harmful if swallowed
H313 May be harmful in contact with skin
H315 Causes skin irritation
H319 Causes serious eye irritation
H332 Harmful if inhaled

[Prevention]

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.
P321 Specific treatment (see information on this label)
P337 + P313 If eye irritation persists: Get medical advice / attention
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

[Storage]

No GHS storage statements

[Disposal]

No GHS disposal statements.

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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)	40 - 60	Acute Tox. 4; H332, H312, H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315	[1] [2]
Propylene Glycol (CAS No: 57-55-6)	20 - 30	Not Classified	[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

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	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. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue flushing for at least 15 minutes. Get immediate medical attention, preferably from an ophthalmologist.
Skin Ingestion	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Overview	Eye Contact: May cause severe irritation. May cause moderate corneal damage. Eye contact may provoke the following symptoms: Stinging or burning sensation, swelling, redness and watering. Inhalation: High concentrations of vapor cause irritation to the nose, throat and upper respiratory tract. Symptoms may include headache. Ingestion: Moderately toxic. Small amounts swallowed incidental to normal handling operations are not likely to cause injury. Ingestion of significant quantities may result in red blood cell hemolysis, with secondary effects to kidney and liver. Skin Contact: Brief contact may cause slight skin irritation and local redness. Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dermatitis, difficult breathing, abdominal pain, skin irritation, mucus membrane irritation, coughing, nausea, and diarrhea. Aggravated Medical Conditions: Skin contact may aggravate an existing dermatitis.
Inhalation	Harmful if inhaled
Eyes	Causes serious eye irritation
Skin	May be harmful in contact with skin. Causes skin irritation.
Ingestion	May be harmful if swallowed.

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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 and sulfur, formaldehyde gas and thiols. 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. Burning liquids may be extinguished by dilution with water. Unusual Fire And Explosion Hazards: The components in this material may produce a floating fire hazard in extreme fire conditions. Container may rupture. Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No. 128

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

Steps To Be Taken In Case Material Is Spilled Or Released: Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sand, or soil. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Recommend incinerate in a furnace where permitted. At very low concentrations in water, this product is biodegradable in a biological wastewater treatment plant.

7. Handling And Storage

7.1. Precautions For Safe Handling

See Section 2 for further details [Prevention].

7.2. Conditions For Safe Storage, Including Any Incompatibilities

Handle containers carefully to prevent damage and spillage. Incompatible materials: Strong oxidizers and alkali metals. Precautions To Be Taken In Handling And Storage: Store in a cool, dry, well ventilated area. Keep away from heat, sparks, and flame. Keep containers closed. Do not store with incompatible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material. Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse containers. Triple rinse before disposal. Dispose of in a licensed facility. Recommended crushing or other means to prevent re-use. Store separate from oxidizing agents. 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
57-55-6	Propylene Glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	TWA: 10 mg/m3 (listed as AIHA WEEL)
111-76-2	Ethylene Glycol Monobutyl Ether	OSHA	TWA: 50 ppm (240 mg/m3) [skin]
		ACGIH	TWA: 20 ppm - Revised 2003
		NIOSH	TWA: 5 ppm (24 mg/m3) [skin]
		Supplier	No Established Limit
CAS No.	Ingredient	CARCINOGEN DATA	
		Source	Value
57-55-6	Propylene Glycol	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

Respiratory	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
Eyes	Chemical goggles. If exposure causes eye discomfort, use a full-face respirator.
Skin	Butyl gloves are recommended. Rubber apron.
Engineering Controls	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.
Other Work Practices	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.

Appearance	Clear, colorless liquid	Melting Point / Freezing Point	Not Measured
Odor	Mild solvent	Initial Boiling Point / Boiling Range	215°F
Odor Threshold	Not Measured	Evaporation Rate	Not Measured
Flashpoint	> 200°F	Upper / Lower Flammability or	Lower: 1.1% (Eth Gly Mon Eth)
pH	Not Measured	Explosive Limits	Upper: 10.6%
Flammability (Solid, Gas)	NA	Partition Coefficient n-octanol/water (Log Kow)	Not Measured
Vapor Pressure (PA)	0.20 mm Hg @ 20°C	Solubility In Water	Complete
Vapor Density	Heavier Than Air (Air = 1)	Auto-Ignition Temperature	Not Measured
Specific Gravity	0.96	Decomposition Temperature	Not Measured
Density	7.99 lbs per gallon	Viscosity (cSt)	Not Measured
% Volatile	99.95	Photochemically Reactive	No
V.O.C.	632.7 gm/L, 66%, 5.28 lb/gal	Maximum Grams of V.O.C. per Liter	632.7

9.2. Other Information

No other relevant information.

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:** Temperatures above 160°C.
- 10.5. Incompatible Materials:** Strong oxidizers and alkali metals.
- 10.6. Hazardous Decomposition Products:** Oxides of carbon and sulfur, formaldehyde gas and thiols.

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
Propylene Glycol 57-55-6	20,000.00 Rat Category: NA	20,800.00 Rabbit Category: NA	105.00 Rat Category: NA	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)	5	May be harmful in contact with skin
Acute Toxicity (inhalation)	4	Harmful if inhaled
Skin Corrosion / Irritation	2	Causes skin irritation
Serious Eye Damage / Irritation	2	Causes serious eye irritation
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 Magna	Not Available
Propylene Glycol 57-55-6	710.00, Pimephales Promelas	10,000.00, Daphnia Magna	Not Available

- 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 Ethylene Glycol Monobutyl Ether)
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 NAFTA 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 D2B

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

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 302 Extremely Hazardous:** None Listed

EPCRA 313 Toxic Chemicals: Ethylene Glycol Monobutyl Ether **Proposition 65 - Carcinogens (>0.0%):** None Listed

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

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

N.J. RTK Substances (>1%): Ethylene Glycol Monobutyl Ether & Propylene Glycol

Penn RTK Substances (>1%) : Ethylene Glycol Monobutyl Ether & Propylene Glycol

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16. Other Information

HMIS

Health: 2
Flammability: 1
Reactivity: 0
Protective: B

SCAQMD Rule 443.1

Photochemically Reactive: No
Maximum Grams of VOC per Liter: 632.7 gm/L
Vapor Pressure: 0.20 mm Hg @ 20°C

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

H302 Harmful if swallowed
H312 Harmful in contact with skin
H315 Causes skin irritation
H319 Causes serious eye irritation
H332 Harmful if inhaled

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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