



## Safety Data Sheet

### #1 Network Pro-1 MRC+ Glaze Remover:

Metering Roller Cleaner SDS Revision Date: 2/12/2015

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

##### 1.1. Product Identifier

Product Identity **#1 NETWORK PRO-1 MRC+ GLAZE REMOVER**  
Metering Roller Cleaner  
Alternate Names Product Number: 805835, 805536, 805537, 805538, 23109

##### 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

Flam. Liq. 2;	H225	Highly flammable liquid and vapor
Acute Tox. 4;	H302	Harmful if swallowed
Acute Tox. 5;	H313	May be harmful in contact with skin
Skin Irrit. 2;	H315	Causes skin irritation
Eye Irrit. 2;	H319	Causes serious eye irritation
Repr. 2;	H361D	Suspected of damaging the unborn child
STOT SE 3;	H336	May cause drowsiness or dizziness
STOT RE 2;	H373	May cause damage to organs through prolonged or repeated exposure.

##### 2.2. Label Elements

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

Signal Word: **DANGER!**

H225 Highly flammable liquid and vapor  
H302 Harmful if swallowed  
H313 May be harmful in contact with skin  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness  
H361D Suspected of damaging the unborn child  
H373 May cause damage to organs through prolonged or repeated exposure



##### [ Prevention ]

P201 Obtain special instructions before use	P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.	P241 Use explosion-proof electrical, ventilation, lighting, and equipment
P261 Avoid breathing dust, fume, gas, mist, vapors, spray	P264 Wash thoroughly after handling
P270 Do not eat, drink or smoke when using this product	P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves, eye protection, and face protection	

##### [ Response ]

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water  
P303 + P361 + P353 IF ON SKIN (or hair): Remove - take off immediately all contaminated clothing - Rinse skin with water & shower  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice - attention  
P314 Get medical advice - attention if you feel unwell  
P321 Specific treatment (see information on this label)  
P330 Rinse mouth  
P337 + P313 If eye irritation persists: Get medical attention  
P362 Take off contaminated clothing and wash before reuse  
P370 + P378 In case of fire: Use extinguishing media listed in Section 5 of SDS for extinction

##### [ Storage ]

P403 + P233 Store in a well ventilated area. Keep container tightly closed. 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
Acetone (CAS No: 67-64-1)	50 - 70	Flam. Liq. 2: H225 Eye Irrit. 2: H319 STOT SE 3: H336	[ 1 ][ 2 ]
Toluene (CAS No: 108-88-3)	10 - 30	Flam. Liq. 2: H225 Repr. 2: H361D Asp. Tox. 1: H304 STOT RE 2: H373 Skin Irrit. 2: H315 STOT SE 3: H336	[ 1 ][ 2 ]

[ 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>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

<b>Overview</b>	<p><b>EFFECTS OF OVEREXPOSURE - EYE CONTACT:</b> Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.</p> <p><b>EFFECTS OF OVEREXPOSURE - SKIN CONTACT:</b> Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).</p> <p><b>EFFECTS OF OVEREXPOSURE - INHALATION:</b> Harmful if inhaled. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Breathing saturated vapors for a few minutes may be fatal. Saturated vapors can be encountered in confined spaces and/or under conditions of poor ventilation. Prolonged inhalation may be harmful.</p> <p><b>EFFECTS OF OVEREXPOSURE - INGESTION:</b> This material may be harmful or fatal if swallowed.</p> <p><b>EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:</b> Overexposure may cause lung damage.</p> <p><b>AGGRAVATED MEDICAL CONDITIONS:</b> Persons with pre-existing skin disorders or impaired liver or kidney function may be more susceptible to the effects of this substance. Alcoholic beverage consumption can enhance the toxic effects of this substance. Chronic fumes from this product may exacerbate asthma.</p>
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Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See Section 2 for further details.

<b>Inhalation</b>	May cause drowsiness or dizziness
<b>Eyes</b>	Causes serious eye irritation
<b>Skin</b>	May be harmful in contact with skin
<b>Ingestion</b>	Harmful if swallowed

## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

Dry chemical, foam, water fog.

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

Hazardous decomposition: Oxides of carbon and nitrogen, low molecular weight hydrocarbons and organic acids. Keep away from heat, sparks, open flames, and hot surfaces - No smoking. Use explosion-proof electrical, ventilating, light, and equipment. Avoid breathing dust, fume, gas, mist, vapors, and spray.

### 5.3. Advice For Firefighters

Above flashpoint, vapor-air mixtures are explosive within flammable limits noted above. Vapors are heavier than air and may travel along the ground to distant ignition sources and flash back. Contact with strong oxidizers may cause a fire. Risk of explosion in closed containers if pressure rises rapidly. May produce a floating fire hazard. Sensitive to static charge. 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.

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## 6. Accidental Release Measures

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

Put on appropriate personal protective equipment (see Section 8).

### 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

Flammable material. Eliminate potential sources of ignition. Wear appropriate respirator and other protective clothing. Use water to keep fire exposed containers cool and disperse vapors. Do not use sawdust. Use non-sparking tools. Place in non-leaking containers and seal tightly for proper disposal. CERCLA requires reporting spills in excess of RQ.

## 7. Handling And Storage

### 7.1. Precautions For Safe Handling

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 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. Incompatible materials: Avoid contact with strong acids and bases. Contact with strong oxidizers may cause fire and explosion. Flammable. Keep away from heat, sparks, and open flame. Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store with incompatible materials, such as oxidizers. Protect from light, including direct sunlight. Ground container and transfer equipment to eliminate static electric sparks. Do not store or consume food, drink, or tobacco where they may become contaminated with this material. Mechanical ventilation or local exhaust may be required. See Section 2 for further details [Storage].

### 7.3. Specific End Use(s)

No data available.

**8. Exposure Controls And Personal Protection**

**8.1. Control Parameters**

CAS No.	Ingredient	EXPOSURE	
		Source	Value
67-64-1	Acetone	OSHA	TWA: 1000 ppm (2400 mg/m <sup>3</sup> ) STEL: 2400 mg/m <sup>3</sup>
		ACGIH	TWA: 250 ppm STEL: 500 ppm Skin
		NIOSH	TWA: 250 ppm (590 mg/m <sup>3</sup> )
		Supplier	No Established Limit
108-88-3	Toluene	OSHA	TWA: 200 ppm C: 300 ppm 500 ppm (10-minute max peak) STEL: 150 ppm
		ACGIH	TWA: 20 ppm
		NIOSH	TWA: 100 ppm (375 mg/m <sup>3</sup> ) ST: 150 ppm (560 mg/m <sup>3</sup> )
		Supplier	No Established Limit

CAS No.	Ingredient	CARCINOGEN DATA	
		Source	Value
67-64-1	Acetone	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;
108-88-3	Toluene	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 safety goggles with splash shield.

**Skin** Wear overalls to keep skin contact to a minimum. Impervious gloves are recommended.

**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.

All electrical equipment should comply with the National Electrical code.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Other Work Practices** If exposure limit is exceeded, a half-face organic vapor respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified. A full-face piece respirator organic vapor respirator may be worn up to 50 times the exposure limit. **WARNING:** Air-purifying respirators for not protect workers in oxygen-deficient atmospheres. 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, colorless liquid	<b>Melting Point / Freezing Point</b>	Not Established
<b>Odor</b>	Sweet	<b>Initial Boiling Point / Boiling Range</b>	133°F to 232°F
<b>Odor Threshold</b>	Not Measured	<b>Evaporation Rate</b>	Not Measured
<b>Flashpoint</b>	< 20°F	<b>Upper / Lower Flammability or</b>	Lower: 2.5%
<b>pH</b>	NA	<b>Explosive Limits</b>	Upper: 12.8%
<b>Flammability (Solid, Gas)</b>	NA	<b>Partition Coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Vapor Pressure (PA) (Total)</b>	150.3 mm Hg @ 20°C	<b>Vapor Pressure (PA) (Acetone Exempt)</b>	4.66 mm Hg @ 20°C
<b>Vapor Density</b>	Not Measured	<b>Auto-Ignition Temperature</b>	869°F
<b>Specific Gravity</b>	0.825	<b>Decomposition Temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured	<b>Solubility In Water</b>	Complete
<b>Density</b>	6.87 lbs per gallon	<b>Photochemically Reactive</b>	Yes
<b>% Volatile</b>	100	<b>V.O.C. (Total)</b>	825 gm/L, 100%, 6.87 lb/gal
<b>Max Grams of V.O.C./Ltr</b>	825	<b>V.O.C. (Acetone Exempt)</b>	247.5 gm/L, 30%, 2.06 lb/gal

#### 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:** Avoid contact with open flame, sparks or hot surfaces.

**10.5. Incompatible Materials:** Avoid contact with strong acids and bases. Contact with strong oxidizers may cause fire and explosion.

**10.6. Hazardous Decomposition Products:** Oxides of carbon and nitrogen, low molecular weight hydrocarbons and organic acids.

### 11. Toxicological Information

#### Acute Toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

2-Butoxyethanol and its acetate are readily absorbed through the skin and will cause harmful effects on the blood.

<b>Ingredient</b>	<b>Oral LD50 (mg/kg)</b>	<b>Skin LD50 (mg/kg)</b>	<b>Inhalation Vapor LD50 (mg/L/4hr)</b>	<b>Inhalation Dust/Mist LD50 (mg/L/4hr)</b>	<b>Inhalation Gas LD50 (ppm)</b>
Acetone 67-64-1	2,000.00 Rat Category: 4	2,000.00 Rabbit Category: 4	76.00 Rat Category: NA	No Data Available	No Data Available
Toluene 108-88-3	636.00 Rat Category: 4	8,400.00 Rabbit Category: NA	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).

**11. Toxicological Information, Cont.'**

Classification	Category	Hazard Description
Acute Toxicity (oral)	4	Harmful if swallowed
Acute Toxicity (dermal)	5	May be harmful in contact with skin
Acute Toxicity (inhalation)	---	Not Applicable
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	2	Suspected of damaging the unborn child
STOT - Single Exposure	3	May cause drowsiness or dizziness
STOT - Repeated Exposure	2	May cause damage to organs through prolonged or repeated exposure
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)
Acetone 67-64-1	100.00, Pimephales Promelas	10.00, Daphnia Magna	20.565 (72 Hr), Ulva Pertusa
Toluene 108-88-3	5.80, Onchorhynchus Mykiss	19.60, 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.

**14. Transport Information**

**NON-BULK DOMESTIC GROUND**

This material is 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:**

<b>DOT Shipping Name:</b>	NA 1993, Compounds, Cleaning Liquid (Contains Acetone and Toluene)
<b>Hazard Class:</b>	3
<b>UN No.:</b>	NA 1993
<b>Packing Group:</b>	II
<b>Guide No:</b>	128

**BULK DOMESTIC GROUND**

This material is not available for domestic ground shipment in bulk (a packaging which has a maximum capacity greater than 119 gallons as a receptacle for a liquid).

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:**

<b>Proper Shipping Name:</b>	NA 1993, Compounds, Cleaning Liquid (Contains Acetone and Toluene)
<b>UN No.:</b>	NA 1993
<b>Packing Group:</b>	II
<b>IMDG:</b>	3
<b>Environmental Hazards:</b>	IMDG: Marine Pollutant: Yes

**14.6. Special Precautions For User:** No further information



## 15. Regulatory Information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>TSCA</b>	All listed components either appear or are exempt from the Toxic Substances Control Act (TSCA) Inventory.
<b>CERCLA</b>	Both Acetone and Toluene are listed.
<b>Carcinogenicity</b>	None of the components in this chemical are present above minimum amounts listed by IARC, NTP, or OSHA as a carcinogen.
<b>WHMIS Classification</b>	B2, D2A
<b>US EPA Tier II Hazards</b>	<b>Fire:</b> Yes <b>Sudden Release of Pressure:</b> No <b>Reactive:</b> No <b>Immediate (Acute):</b> Yes <b>Delayed (Chronic):</b> Yes
<b>SARA Title III</b>	<sup>1</sup> Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372. This product contains: Toluene.
<b>California PROP 65:</b>	This product contains Benzene and Toluene. The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or Proposition 65. This regulation does not address de minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. <b>WARNING:</b> This product contains Benzene and Toluene known to the State of California to cause cancer or known to cause cancer, birth defects, or other reproductive harm.
<b>EPCRA 311/312 Chemicals and RQs (Lbs):</b>	Acetone (5,000), Toluene (1,000)
<b>EPCRA 302 Extremely Hazardous:</b>	None Listed
<b>EPCRA 313 Toxic Chemicals:</b>	Toluene
<b>Proposition 65 - Carcinogens (&gt;0.0%):</b>	Listed Above
<b>Proposition 65 - Developmental Toxins (&gt;0.0%):</b>	Listed Above
<b>Proposition 65 - Female Repro Toxins (&gt;0.0%):</b>	Listed Above
<b>Proposition 65 - Male Repro Toxins (&gt;0.0%):</b>	Listed Above
<b>N.J. RTK Substances (&gt;1%):</b>	Acetone, Toluene
<b>Penn RTK Substances (&gt;1%):</b>	Acetone, Toluene

## 16. Other Information

### HMIS

Health:	2
Flammability:	3
Reactivity:	0
Personal:	X

### SCAQMD Rule 443.1

Photochemically Reactive:	Yes
Maximum Grams of VOC per Liter:	247.5 gm/L (Acetone Exempt)
Vapor Pressure:	4.66 mm Hg @ 20°C (Acetone Exempt)

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:

<b>H225</b>	Highly flammable liquid and vapor
<b>H304</b>	May be fatal if swallowed and enters airways
<b>H315</b>	Causes skin irritation
<b>H319</b>	Causes serious eye irritation
<b>H336</b>	May cause drowsiness and dizziness
<b>H361D</b>	Suspected of damaging the unborn child
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure

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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