

# SAFETY DATA SHEET

Issuing Date: 11-May-2015

Version 1

## #1 Network Developer Systems Cleaner, Part B

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** #1 Network Developer Systems Cleaner, Part B

**Product code** 28560B-49

**Product Use** For cleaning of X-ray processing equipment.

**Supplier Address**  
#1 Network, Inc.  
309 Professional Park Avenue  
Effingham, IL 62401

**Company Phone Number** 217-536-5737

**Emergency Telephone** Transport-CHEMTREC Inside NA: 800-424-9300  
Transport CHEMTREC Outside NA: 703-527-3887

### 2. HAZARDS IDENTIFICATION

#### Classification

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

#### GHS Label elements, including precautionary statements

Danger

#### Hazard Statements

Causes severe skin burns and eye damage



#### Precautionary Statements

**Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not breathe dust/fume/gas/mist/vapors/spray

**Response**

Immediately call a POISON CENTER or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Storage**

Store locked up

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not classified

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
SULFURIC ACID	7664-93-9	5-10%

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>General advice</b>	Immediate medical attention is required.
<b>Eye contact</b>	In case of contact with substance, immediately flush eyes with running water for at least 30 minutes. Keep eye wide open while rinsing. Do not rub affected area. Call a physician immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 30 minutes. Remove contaminated clothing and shoes. Call a physician immediately.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/ physician.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes or clothing.

**Most important symptoms/effects, acute and delayed**

Burning feeling and temporary redness.

**Indication of immediate medical attention and special treatment needed, if necessary**

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

None known.

### Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

### Hazardous Combustion Products

Carbon oxides. Sulfur oxides.

### Explosion Data

**Sensitivity to Mechanical Impact** none

**Sensitivity to Static Discharge** none

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

### Environmental precautions

Do not allow material to contaminate ground water system. Should not be released into the environment. Prevent product from entering drains.

### Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

**Other information** Refer to protective measures listed in Sections 7 and 8.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Wear personal protective equipment. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - Workplace Environmental Exposure Levels (WEELs) - TWAs
SULFURIC ACID	TWA: 0.2 mg/m <sup>3</sup> thoracic fraction	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup>	IDLH: 15 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	

**Exposure controls**

**Engineering Measures**                      Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      Tightly fitting safety goggles. Face-shield.

**Skin and body protection**                      Wear protective gloves/clothing.

**Respiratory protection**                      If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**                      Wear suitable gloves and eye/face protection. When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear	<b>Odor</b>	none
<b>Odor Threshold</b>	Not available	<b>Physical State @20°C</b>	Liquid
<b>pH</b>	< 1	<b>Molecular Weight</b>	Not available
<b>Specific Gravity</b>	1.04	<b>Autoignition temperature</b>	Not available
<b>Flash point</b>	> 201 °F / > 94 °C	<b>Boiling point / boiling range</b>	212 °F / 100 °C
<b>Decomposition temperature</b>	Not available	<b>Freezing Point</b>	Not available
<b>Melting point / melting range</b>	Not available		
<b>Flammability Limit in Air</b>	Not available		
<b>Oxidizing Properties</b>	Not available	<b>Explosive Property Details</b>	Not available
<b>Solubility</b>	Soluble in water	<b>Partition coefficient</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor density</b>	Not available	<b>Density</b>	Not available
<b>VOC (lb/gal)</b>	0	<b>VOC (g/l)</b>	0
<b>Dynamic viscosity</b>	Not available		

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under recommended storage conditions

**Chemical stability**

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to Avoid

Exposure to air or moisture over prolonged periods.

### Incompatible Materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

#### Acute toxicity

##### Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause additional effects as listed under "Ingestion".

##### Eyes

Causes burns. Risk of serious damage to eyes.

##### Skin

Causes burns.

##### Ingestion

Ingestion causes burns of the upper digestive and respiratory tracts.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
SULFURIC ACID	= 2140 mg/kg ( Rat )		= 510 mg/m <sup>3</sup> ( Rat ) 2 h

### Information on toxicological effects

No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Irritation

Non-irritating during normal use.

#### Corrosivity

No information available.

#### Sensitization

No information available.

#### Mutagenic Effects

No information available.

#### Reproductive Toxicity

No information available.

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
SULFURIC ACID	A2	Group 1	Known	X

#### **ACGIH: (American Conference of Governmental Industrial Hygienists)**

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

A4 - Not Classifiable as a Human Carcinogen

#### **NTP: (National Toxicity Program)**

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

#### **IARC: (International Agency for Research on Cancer)**

Group 1: Carcinogenic to humans

Group 2A: Probably carcinogenic to humans

Group 2B: Possibly carcinogenic to humans

Group 3: Not classifiable as to its carcinogenicity to humans

#### **OSHA: (Occupational Safety & Health Administration)**

X - Present

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<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	Avoid repeated exposure. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen.
<b>Target Organ Effects</b>	Eyes, Respiratory system, Skin, Teeth.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 32481 mg/kg

ATE: Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available

**Mobility**

No information available.

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**

Dispose of in accordance with local regulations.

**Contaminated packaging**

Do not re-use empty containers.

<b>14. TRANSPORT INFORMATION</b>
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**DOT**

<b>Proper Shipping Name</b>	Sulfuric acid
<b>UN/ID No</b>	UN2796
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Reportable Quantity (RQ)</b>	Sulfuric acid: RQ kg= 6890.79
<b>Description</b>	UN2796, Sulfuric acid, 8, II, RQ
<b>Emergency Response Guide Number</b>	157
<b>Packaging Exceptions</b>	154
<b>Non-bulk Packaging</b>	202
<b>Bulk Packaging</b>	242

**TDG**

<b>Proper Shipping Name</b>	Sulfuric acid
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN2796, Sulfuric acid, 8, II

**MEX**

<b>Proper Shipping Name</b>	Sulfuric acid
<b>UN/ID No</b>	UN2796
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN2796, Sulfuric acid, 8, II

**ICAO**

<b>Proper Shipping Name</b>	Sulfuric acid
<b>UN/ID No</b>	UN2796
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN2796, Sulfuric acid, 8, II

**IATA**

<b>Proper Shipping Name</b>	Sulfuric acid
<b>UN/ID No</b>	UN2796
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Description</b>	UN2796, Sulfuric acid, 8, II

**IMDG**

<b>Proper Shipping Name</b>	Sulfuric acid
<b>UN/ID No</b>	UN2796
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>EmS-No</b>	F-A, S-B
<b>Description</b>	UN2796, Sulfuric acid, 8, II

**ADR/RID**

<b>Proper Shipping Name</b>	Sulfuric acid
<b>UN/ID No</b>	UN2796
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Classification Code</b>	C1

<b>Description</b>	UN2796, Sulfuric acid, 8, II, (E)
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**ADN**

<b>Proper Shipping Name</b>	Sulfuric acid
<b>UN/ID No</b>	UN2796
<b>Hazard Class</b>	8
<b>Packing Group</b>	II
<b>Classification Code</b>	C1
<b>Description</b>	UN2796, Sulfuric acid, 8, II
<b>Limited quantity</b>	1 L

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

<b>TSCA</b>	Yes
<b>DSL/NDSL</b>	Yes
<b>PICCS</b>	Yes
<b>EINECS/ELINCS</b>	Yes
<b>ENCS</b>	No
<b>IECSC</b>	Yes
<b>KECL</b>	Yes
<b>AICS</b>	Yes

\*Yes - All component(s) of this product are included or are exempt from listing on the inventory.

\*No - Indicates the component(s) of this product are either not listed or have not been determined to be listed on the inventory.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations****TSCA Sections 4, 5 and 12(b)**

This product does not contain any chemicals regulated by TSCA Sections 4, 5 or 12(b).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS No	SARA 313 - Threshold Values %	Weight-%
SULFURIC ACID	7664-93-9	1.0	5-10%

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):



Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
SULFURIC ACID	1000 lb			X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
SULFURIC ACID	1000	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
SULFURIC ACID	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
SULFURIC ACID	X	X	X	X	X

**International Regulations****Canada - NDSL**

This product does not contain any NDSL chemicals.

**Mexico - Grade**

No information available

**Mexico - Carcinogen Status and Exposure Limits**

Chemical Name	Carcinogen Status	Exposure Limits
SULFURIC ACID	A2	Mexico: TWA 1 mg/m <sup>3</sup>

**Other Regulations**

No information available

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	Health Hazard 3	Flammability 1	Instability 0	Physical and chemical hazards - Personal protection C
<b>HMIS</b>	Health Hazard 3	Flammability 1	Physical Hazard 0	

Revision Date 11-May-2015

Revision Note No information available

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**end**