

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
Trade name : CD-76  
Product code : 0300

### 1.2. Recommended use and restrictions on use

Recommended use : Surface cleaning

### 1.3. Supplier

Synthetic Labs  
24 Victory Lane  
Dracut, MA, 01826  
United States  
T 800.255.4050 - F 978.957.5122  
[www.syntecpro.com](http://www.syntecpro.com)

### 1.4. Emergency telephone number

Emergency number : Infotrac 24 Hour Medical Emergency Number: 1-800-535-5053

## SECTION 2: Hazard(s) identification


### 2.1. Classification of the substance or mixture

#### GHS US classification

Skin corrosion/irritation Category 2	Causes skin irritation
Serious eye damage/eye irritation Category 2A	Causes serious eye irritation

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Hazard pictograms (GHS US)	:	
Signal word (GHS US)	:	Warning
Hazard statements (GHS US)	:	Causes skin irritation Causes serious eye irritation
Precautionary statements (GHS US)	:	Wash hands, forearms and face thoroughly after handling. Wear eye protection, protective gloves. If on skin: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see supplemental first aid instruction on this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards which do not result in classification

No additional information available

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### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Tetrasodium ethylenediaminetetraacetate	CAS-No.: 64-02-8	5 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Dipropylene Glycol Monoethyl Ether	CAS-No.: 34590-94-8	1 – 5	Flam. Liq. 4, H227
Sodium Silica Salts	CAS-No.: 1344-09-8	1 – 5	Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Ethylene Glycol Monobutyl Ether	CAS-No.: 111-76-2	1 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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No additional information available

#### Tetrasodium ethylenediaminetetraacetate (64-02-8)

No additional information available

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### Ethylene Glycol Monobutyl Ether (111-76-2)

#### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	20 ppm
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### Dipropylene Glycol Monoethyl Ether (34590-94-8)

#### USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	100 ppm
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ACGIH OEL STEL [ppm]	150 ppm
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#### USA - OSHA - Occupational Exposure Limits

Local name	Dipropylene glycol methyl ether
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OSHA PEL (TWA) [1]	600 mg/m <sup>3</sup>
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OSHA PEL (TWA) [2]	100 ppm
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### Sodium Silica Salts (1344-09-8)

No additional information available

## 8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.

## 8.3. Individual protection measures/Personal protective equipment

### Hand protection:

Protective gloves

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Green
Odor	: odorless
Odor threshold	: No data available
pH	: 11.5

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pH solution	: 11 – 12
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.03 g/m³
Molecular mass	: 1.03 g/mol
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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<b>Tetrasodium ethylenediaminetetraacetate (64-02-8)</b>	
LD50 oral rat	1780 – 2000 mg/kg (Rat, Male / female, Experimental value, Oral)
ATE US (oral)	1780 mg/kg body weight
<b>Ethylene Glycol Monobutyl Ether (111-76-2)</b>	
LD50 oral rat	1746 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 oral	1414 mg/kg body weight (OECD 401: Acute Oral Toxicity, Guinea pig, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (oral)	1414 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (vapors)	3 mg/l/4h
<b>Dipropylene Glycol Monoethyl Ether (34590-94-8)</b>	
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	9510 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
ATE US (dermal)	9510 mg/kg body weight
<b>Sodium Silica Salts (1344-09-8)</b>	
LD50 oral rat	> 2000 mg/kg (Rat, Oral)
ATE US (dermal)	1100 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation. pH: 11.5
<b>Tetrasodium ethylenediaminetetraacetate (64-02-8)</b>	
pH	11 (1 %)
<b>Ethylene Glycol Monobutyl Ether (111-76-2)</b>	
pH	No data available in the literature
<b>Dipropylene Glycol Monoethyl Ether (34590-94-8)</b>	
pH	7 (100 %, 25 °C)
<b>Sodium Silica Salts (1344-09-8)</b>	
pH	≈ 12.9 (11 – 11.4)
Serious eye damage/irritation	: Causes serious eye irritation. pH: 11.5
<b>Tetrasodium ethylenediaminetetraacetate (64-02-8)</b>	
pH	11 (1 %)
<b>Ethylene Glycol Monobutyl Ether (111-76-2)</b>	
pH	No data available in the literature

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Dipropylene Glycol Monoethyl Ether (34590-94-8)	
pH	7 (100 %, 25 °C)
Sodium Silica Salts (1344-09-8)	
pH	≈ 12.9 (11 – 11.4)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Tetrasodium ethylenediaminetetraacetate (64-02-8)	
Viscosity, kinematic	Not applicable (solid)
Ethylene Glycol Monobutyl Ether (111-76-2)	
Viscosity, kinematic	3.642 mm²/s (20 °C)
Dipropylene Glycol Monoethyl Ether (34590-94-8)	
Viscosity, kinematic	4.55 mm²/s (20 °C, OECD 114: Viscosity of Liquids)
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Tetrasodium ethylenediaminetetraacetate (64-02-8)	
LC50 - Fish [1]	121 mg/l (US EPA, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Soft water)
EC50 - Crustacea [1]	625 mg/l (DIN 38412-11, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 100 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Weight of evidence, Nominal concentration)
Ethylene Glycol Monobutyl Ether (111-76-2)	
LC50 - Fish [1]	1474 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	1550 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	1840 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
Dipropylene Glycol Monoethyl Ether (34590-94-8)	
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Poecilia reticulata, Static system, Fresh water, Experimental value, GLP)

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<b>Dipropylene Glycol Monoethyl Ether (34590-94-8)</b>	
ErC50 algae	> 969 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
<b>Sodium Silica Salts (1344-09-8)</b>	
LC50 - Fish [1]	3185 mg/l (96 h, Brachydanio rerio, Pure substance)
EC50 - Crustacea [1]	216 mg/l (96 h, Daphnia magna, Pure substance)
EC50 - Crustacea [2]	160 mg/l (96 h, Amphipoda, Pure substance)
<b>12.2. Persistence and degradability</b>	
<b>Tetrasodium ethylenediaminetetraacetate (64-02-8)</b>	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	< 0.002 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.54 – 0.58 g O <sub>2</sub> /g substance
<b>Ethylene Glycol Monobutyl Ether (111-76-2)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>Dipropylene Glycol Monoethyl Ether (34590-94-8)</b>	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
ThOD	2.06 g O <sub>2</sub> /g substance
<b>Sodium Silica Salts (1344-09-8)</b>	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
<b>12.3. Bioaccumulative potential</b>	
<b>Tetrasodium ethylenediaminetetraacetate (64-02-8)</b>	
BCF - Fish [1]	1.1 – 1.8 (28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-13.17 (Estimated value, KOWWIN)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>Ethylene Glycol Monobutyl Ether (111-76-2)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.81 (Experimental value, BASF test, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>Dipropylene Glycol Monoethyl Ether (34590-94-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	0.004 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).



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### Sodium Silica Salts (1344-09-8)

Bioaccumulative potential	Not bioaccumulative.
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### 12.4. Mobility in soil

#### Tetrasodium ethylenediaminetetraacetate (64-02-8)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.495 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
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Ecology - soil	Low potential for adsorption in soil.
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#### Ethylene Glycol Monobutyl Ether (111-76-2)

Surface tension	65.03 mN/m (20 °C, 2 g/l)
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.451 – 0.882 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
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Ecology - soil	Highly mobile in soil.
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#### Dipropylene Glycol Monoethyl Ether (34590-94-8)

Surface tension	68.7 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
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Ecology - soil	Highly mobile in soil.
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### Sodium Silica Salts (1344-09-8)

Ecology - soil	No (test)data on mobility of the component(s) available.
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### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Not applicable

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**TDG**  
Transport hazard class(es) (TDG) : Not applicable

**IMDG**  
Transport hazard class(es) (IMDG) : Not applicable

**IATA**  
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable  
Packing group (TDG) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

**DOT**  
No data available

**TDG**  
No data available

**IMDG**  
No data available

**IATA**  
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Tetrasodium ethylenediaminetetraacetate	64-02-8	Present	Active	
Ethylene Glycol Monobutyl Ether	111-76-2	Present	Active	
Dipropylene Glycol Monoethyl Ether	34590-94-8	Present	Active	
Sodium Silica Salts	1344-09-8	Present	Active	

15.2. International regulations

CANADA

<b>Tetrasodium ethylenediaminetetraacetate (64-02-8)</b>
Listed on the Canadian DSL (Domestic Substances List)

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Ethylene Glycol Monobutyl Ether (111-76-2)
Listed on the Canadian DSL (Domestic Substances List)

Dipropylene Glycol Monoethyl Ether (34590-94-8)
Listed on the Canadian DSL (Domestic Substances List)

Sodium Silica Salts (1344-09-8)
Listed on the Canadian DSL (Domestic Substances List)

**EU-Regulations**

No additional information available

**National regulations**

No additional information available

**15.3. US State regulations**

Component	State or local regulations
Ethylene Glycol Monobutyl Ether(111-76-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Dipropylene Glycol Monoethyl Ether(34590-94-8)	U.S. - New Jersey - Right to Know Hazardous Substance List

**SECTION 16: Other information**

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Hazard Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.