

# AZON Universal No-Tape 304-12T

## Material Safety Data Sheet

According to MOEL Public notice 2023-9

Issue date: 5/7/2025 Revision date: 2/9/2026 Supersedes: 5/7/2025 Version: 1.1

### 1. Product and company identification

#### 1.1. Product Name

Product form : Mixture  
Trade name : Universal No-Tape 304-12T

#### 1.2. Recommended use of the chemical and restrictions on use

##### 1.2.1. Recommended use

Recommended use : Thermal barrier polymer (Part B).

##### 1.2.2. Restrictions on use

All other uses not recommended above.

#### 1.3. Supplier information

- Manufacturer  
Company : Azon USA Inc.  
Address : (49004) USA Michigan Kalamazoo 2204 Ravine Rd  
Tel. : 269-385-5942  
Emergency information : For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call CHEMTREC at 080-880-0454 (Toll Free, Local, Korean) and provide CCN 2189  
Back-up Emergency Number: +65 3163 8374 (Singapore, multilingual) +1-703-527-3887 (United States, answered in English, request other languages)

- Manufacturer  
Company : Azon Asia Inc.  
Address : (CB 27459 KOR) South Korea Chungju 168 Joongwon Ind Rd. Judeok  
Tel. : +82 (0) 43 840 0500

### 2. Hazards identification

#### 2.1. Hazard Classification

Flammable liquids, Not classified	
Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 5	H313
Serious eye damage/eye irritation, Category 2A	H319
Hazardous to the aquatic environment – Acute Hazard Not classified	
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

#### 2.2. Label elements including precautionary statements

##### 2.2.1. Hazard pictograms (GHS KR)



##### 2.2.2. Signal word (GHS KR)

Warning.

##### 2.2.3. Hazard statements (GHS KR)

H302 - Harmful if swallowed  
H313 - May be harmful in contact with skin  
H319 - Causes serious eye irritation  
H411 - Toxic to aquatic life with long lasting effects

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### 2.2.4. Precautionary statements (GHS KR)

#### Precaution:

P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

#### Treatment:

P301+P312 - IF SWALLOWED: Call a doctor if you feel unwell.

P330 - Rinse mouth.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P312 - Call a doctor if you feel unwell.

P391 - Collect spillage.

#### Storage:

Not applicable

#### Disposal:

P501 - Dispose of contents/container according to waste related regulations.

### 2.3. Other Hazard which are not included in the classification criteria

Not applicable

## 3. Composition/information on ingredients

Product form : Mixture

Substance name	Other Names	CAS-No. and Identifier number	Concentration (%)
Glycerol propylene oxide	No data available	CAS-No.: 25791-96-2	10 – 20
Diethylene Glycol-phthalic Anhydride Polymer	No data available	CAS-No.: 32472-85-8	8 – 18
Diethylene glycol	No data available	CAS-No.: 111-46-6 KECI-No.: KE-27694	6-16
Ethylene Glycol	No data available	CAS-No.: 107-21-1 KECI-No.: KE-13169	2 – 5
Diethyl toluene diamine	No data available	CAS-No.: 68479-98-1 KECI-No.: KE-10494	3 – 8
Carbon black	No data available	CAS-No.: 1333-86-4	< 1

## 4. First-aid measures

### 4.1. Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

### 4.2. Skin contact

Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

### 4.3. Inhalation

Remove person to fresh air and keep comfortable for breathing.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

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If the victim is unconscious: Lay in a stable manner on victim's side.

Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth.

Call a physician immediately.

Symptoms may be delayed.

Depending on the degree of exposure, periodic medical surveillance is required.

### 4.4. Ingestion

Rinse mouth.

Do NOT induce vomiting.

If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Immediately call a POISON CENTER/doctor.

### 4.5. Indication of immediate medical attention and notes for physician

Treat symptomatically.

## 5. Fire-fighting measures

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

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. Alcohol-resistant foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.

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

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing. Full face piece respirator.

## 6. Accidental release measures

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

Wear recommended personal protective equipment.  
Evacuate the danger area.  
If outdoors, move to an area upwind of the danger area.  
If possible without taking personal risks, ventilate area, remove ignition sources.  
Do not breathe vapours, spray, mist, gas.  
Avoid contact with skin and eyes.  
Prevent other non-emergency personnel from entering the danger area.  
Wear recommended personal protective equipment.  
Evacuate personnel to a safe area.  
Stop leak if safe to do so.  
Ventilate spillage area.

### 6.2. Environmental precautions and protective procedures

Avoid release to the environment.  
Do not let the product reach soil, drains, sewers, or surface and ground water.  
Notify authorities if product enters sewers or public waters.

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

Stop leak without risks if possible.

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Contain with non-combustible inert absorbent.

Collect spillage.

Take up in non-combustible inert absorbent and place into container for disposal.

Contaminated absorbent material may pose the same hazard as the spilled product.

Decontaminate surfaces and equipment with water and detergent.

Notify authorities if product enters sewers or public waters.

Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Ensure good ventilation of the work station. Do not breathe vapours, mist, spray, gas.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Protect from sunlight. Store in a cool, well-ventilated place. Store carefully closed containers upright to prevent any leaks. Store locked up. Use appropriate container to avoid environmental contamination.
Incompatible materials	: Metals. Strong oxidizing agents.

## 8. Exposure controls & personal protection

### 8.1. Control parameters (e.g. occupational exposure limit values, biological limit values)

Ethylene Glycol (107-21-1)	
Korea - Occupational Exposure Limits	
Local name	에틸렌 글리콜 # Ethylene glycol
ISHA OEL C	100 mg/m <sup>3</sup> (증기 및 미스트) # (Vapor and mist)
Regulatory reference	고용노동부고시 제2020-48호 # MOEL Public Notice. No. 2020-48
Carbon black (1333-86-4)	
Korea - Occupational Exposure Limits	
Local name	카본블랙 # Carbon black
ISHA OEL TWA	3.5 mg/m <sup>3</sup> 흡입성 # (Inhalable fraction)
Remark (KR)	발암성 2 # Carcinogenicity 2
Regulatory reference	고용노동부고시 제2020-48호 # MOEL Public Notice. No. 2020-48

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### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits.
- Environmental exposure controls : Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

### 8.3. Personal protection equipment

#### Personal protective equipment

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

#### Eye protection

Chemical goggles or safety glasses

#### Hand protection

Wear protective gloves

#### Skin and body protection

Wear suitable protective clothing.

Body protection should be chosen depending on activity and possible exposure

#### Personal protective equipment symbol(s):



### 9. Physical and chemical properties

- a) Appearance : Clear liquid.  
Physical state : Liquid  
Colour : Clear purple to black.
- b) Odour : Slight.
- c) Odour threshold : No data available
- d) pH : No data available
- e) Melting / freezing point : Not applicable / No data available
- f) Initial boiling point and boiling range : No data available
- g) Flash point : > 93.33 °C / 200 °F
- h) Evaporation rate : No data available
- i) Flammability (solid, gas) : Not applicable.
- j) Upper / lower flammability or explosive limits : No data available
- k) Vapour pressure : No data available
- l) Solubility : No data available
- m) Vapour density : No data available
- n) Relative density : 1.072 – 1.084
- o) Partition coefficient n-octanol/water (Log Kow) : No data available  
Partition coefficient n-octanol/water (Log Pow) : Not applicable.
- p) Auto-ignition temperature : No data available
- q) Decomposition temperature : No data available
- r) Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available
- s) Molecular mass : No data available

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### 10. Stability and reactivity

#### 10.1. Chemical stability and Possibility of hazardous reactions

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

Stable under normal conditions of use.

No dangerous reactions known under normal conditions of use.

#### 10.2. Conditions to avoid

Incompatible materials.

#### 10.3. Incompatible materials

Metals.

Oxidizing agents.

#### 10.4. Hazardous decomposition products

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

Thermal decomposition generates:

Nitrogen oxides.

Carbon monoxide.

Carbon dioxide.

### 11. Toxicological information

#### 11.1. Information on the likely routes of exposure

Oral	: Harmful if swallowed.
Skin and eyes contact	: Acute toxicity (dermal) - May be harmful in contact with skin. Serious eye damage/eye irritation - Causes serious eye irritation.
Inhalation	: Not classified

#### 11.2. Health hazards information

##### Acute toxicity (oral):

Harmful if swallowed.

##### Acute toxicity (dermal):

May be harmful in contact with skin.

##### Acute toxicity (inhalation):

Not classified

#### Universal No-Tape 304-12T

ATE KR (oral)	941.621 mg/kg bodyweight
ATE KR (dermal)	3004.332 mg/kg bodyweight
93.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))	

#### Glycerol propylene oxide (25791-96-2)

LD50 oral rat	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight

#### Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

LD50 dermal rat	> 2000 mg/kg
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#### Diethylene glycol (111-46-6)

LD50 oral rat	12000 mg/kg
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LD50 oral	15600 mg/kg
LD50 dermal rabbit	11890 mg/kg
LD50 dermal	13300 mg/kg

### Ethylene Glycol (107-21-1)

LD50 oral rat	4700 mg/kg bodyweight
LD50 oral	6140 mg/kg
LD50 dermal rat	9530 mg/kg bodyweight
LD50 dermal	> 3549 mg/kg

### Diethyl toluene diamine (68479-98-1)

LD50 oral rat	472 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 2.45 mg/l

### Carbon black (1333-86-4)

LD50 oral rat	> 8000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight

#### Skin corrosion/irritation:

Not classified

### Ethylene Glycol (107-21-1)

Skin corrosion/irritation, rabbit	Not irritating to skin
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### Carbon black (1333-86-4)

Skin corrosion/irritation, rabbit	Not irritating
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#### Serious eye damage/irritation:

Causes serious eye irritation.

### Diethylene glycol (111-46-6)

Serious eye damage/irritation, rabbit	Slightly irritating
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### Ethylene Glycol (107-21-1)

Serious eye damage/irritation, rabbit	<40% Irritating to eyes (Fully reversible effects within 7 days of observation)
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### Carbon black (1333-86-4)

Serious eye damage/irritation, rabbit	Not irritating
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#### Respiratory sensitization:

Not classified

#### Skin sensitization:

Not classified

### Ethylene Glycol (107-21-1)

Guinea pig maximization test	Not sensitive
Skin sensitization, human	Not sensitive

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### Carbon black (1333-86-4)

Local Lymph Node Assay	Not sensitive
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#### Carcinogenicity:

Not classified

### Diethylene glycol (111-46-6)

NOAEL (chronic, oral, animal/male, 2 years)	1210 mg/kg bodyweight
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NOAEL (chronic, oral, animal/female, 2 years)	1160 mg/kg bodyweight
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### Carbon black (1333-86-4)

IARC group	2B - Possibly carcinogenic to humans
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#### Mutagenicity:

Not classified

### Ethylene Glycol (107-21-1)

Germ cell mutagenicity/Dominant lethal test, rat	Negative
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#### Reproductive toxicity:

Not classified

### Glycerol propylene oxide (25791-96-2)

NOAEL (animal/male, F0/P)	≥ 1000 mg/kg bodyweight
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NOAEL (animal/female, F0/P)	300 mg/kg bodyweight
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#### STOT-single exposure:

Not classified

#### STOT-repeated exposure:

Not classified

### Glycerol propylene oxide (25791-96-2)

NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight
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### Diethylene glycol (111-46-6)

LOAEL (oral, rat, 90 days)	40000 mg/kg bodyweight
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### Diethyl toluene diamine (68479-98-1)

LOAEL (dermal, rat/rabbit, 90 days)	≥ 10 mg/kg bodyweight
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NOAEL (dermal, rat/rabbit, 28 days)	100 mg/kg bw/day
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NOAEL (oral, rat, 90 days)	21 mg/kg bw/day
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STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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### Carbon black (1333-86-4)

LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0071 mg/l air
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NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight
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NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0011 mg/l air
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STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
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#### Aspiration hazard:

Not classified

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### Glycerol propylene oxide (25791-96-2)

Viscosity, dynamic	560.6 mPa·s
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### Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

Viscosity, dynamic	231 mPa·s Source: ECHA
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### Diethylene glycol (111-46-6)

Viscosity, dynamic	30 cP
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### Ethylene Glycol (107-21-1)

Viscosity, kinematic (calculated value) (40 °C)	14.459 mm <sup>2</sup> /s
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Density	1.1135 g/cm <sup>3</sup>
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Viscosity, dynamic	16.1 mPa·s
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### Diethyl toluene diamine (68479-98-1)

Viscosity, dynamic	286 mPa·s
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## 12. Ecological information

### 12.1. Aquatic and terrestrial ecotoxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

### Universal No-Tape 304-12T

EC50 - Crustacea [1]	11.46 mg/l
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Partition coefficient n-octanol/water (Log Pow)	Not applicable.
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### Glycerol propylene oxide (25791-96-2)

LC50 - Fish [1]	218000 mg/l
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EC50 - Crustacea [1]	> 100 mg/l
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EC50 96h - Algae [1]	103000 mg/l
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EC50 72h - Algae [1]	> 100 mg/l
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LOEC (chronic)	> 10 mg/l
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NOEC (chronic)	≥ 10 mg/l
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### Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

LC50 - Fish [1]	≥ 100 mg/l
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ErC50 algae	157.4 mg/l
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Partition coefficient n-octanol/water (Log Pow)	0.9 – 1.9
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### Diethylene glycol (111-46-6)

LC50 - Fish [1]	75200 mg/l
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<b>Diethylene glycol (111-46-6)</b>	
EC50 96h - Algae [1]	6500 – 13000 mg/l
EC50 96h - Algae [2]	9362 mg/l
NOEC (chronic)	≥ 1000 mg/l
Partition coefficient n-octanol/water (Log Pow)	-1.47

<b>Ethylene Glycol (107-21-1)</b>	
LC50 - Fish [1]	> 72860 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 96h - Algae [1]	6500 – 13000 mg/l
ErC50 algae	> 1000 mg/l
NOEC (chronic)	≥ 1000 mg/l
NOEC chronic fish	32000 mg/l 7 days
NOEC chronic crustacea	24000 ml/l (48h)
Partition coefficient n-octanol/water (Log Pow)	-0.337
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0

<b>Diethyl toluene diamine (68479-98-1)</b>	
LC50 - Fish [1]	> 106 mg/l
EC50 - Crustacea [1]	5.8 mg/l
ErC50 algae	104 mg/l
Partition coefficient n-octanol/water (Log Pow)	1.38
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.12

<b>Carbon black (1333-86-4)</b>	
EC50 - Crustacea [1]	> 1000 mg/l
EC50 72h - Algae [1]	> 10000 mg/l
EC50 72h - Algae [2]	> 10000 mg/l

## 12.2. Persistence and degradability

<b>Universal No-Tape 304-12T</b>	
Persistence and degradability	Not established.

<b>Glycerol propylene oxide (25791-96-2)</b>	
Persistence and degradability	Not rapidly degradable

<b>Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)</b>	
Persistence and degradability	Not rapidly degradable

<b>Diethyl toluene diamine (68479-98-1)</b>	
Persistence and degradability	Not rapidly degradable.

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### 12.3. Bioaccumulative potential

#### Universal No-Tape 304-12T

Partition coefficient n-octanol/water (Log Pow)	Not applicable.
Bioaccumulative potential	Not established.

#### Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

Partition coefficient n-octanol/water (Log Pow)	0.9 – 1.9
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#### Diethylene glycol (111-46-6)

Partition coefficient n-octanol/water (Log Pow)	-1.47
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#### Ethylene Glycol (107-21-1)

Partition coefficient n-octanol/water (Log Pow)	-0.337
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0
Bioaccumulative potential	Does not bioaccumulate.

#### Diethyl toluene diamine (68479-98-1)

Partition coefficient n-octanol/water (Log Pow)	1.38
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.12

### 12.4. Mobility in soil

#### Universal No-Tape 304-12T

Partition coefficient n-octanol/water (Log Pow)	Not applicable.
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#### Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

Partition coefficient n-octanol/water (Log Pow)	0.9 – 1.9
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#### Diethylene glycol (111-46-6)

Partition coefficient n-octanol/water (Log Pow)	-1.47
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#### Ethylene Glycol (107-21-1)

Mobility in soil	0.2
Partition coefficient n-octanol/water (Log Pow)	-0.337
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0

#### Diethyl toluene diamine (68479-98-1)

Partition coefficient n-octanol/water (Log Pow)	1.38
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.12

### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No data available

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### 13. Disposal considerations

#### 13.1. Disposal method

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Ecological waste information : Avoid release to the environment.

#### 13.2. Disposal precaution

Product/Packaging disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point.  
Refer to all applicable national, international and local regulations or provisions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.

### 14. Transport information

In accordance with UN RTDG / ADR / IMDG / IATA

UN RTDG	ADR	IMDG	IATA
<b>14.1. UN number</b>			
3082	3082	3082	3082
<b>14.2. UN proper shipping name</b>			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethyl toluene diamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethyl toluene diamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethyl toluene diamine)	Environmentally hazardous substance, liquid, n.o.s. (Diethyl toluene diamine)
<b>Transport document description</b>			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethyl toluene diamine), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethyl toluene diamine), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diethyl toluene diamine), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Diethyl toluene diamine), 9, III
<b>14.3. Transport hazard class(es)</b>			
9	9	9	9
<b>14.4. Packing group</b>			
III	III	III	III
<b>14.5. Marine pollutant</b>			
		Dangerous for the environment: Yes Marine pollutant: Yes	
No data available			

#### 14.6. Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises

No data available

### 15. Regulatory information

#### 15.1. Occupational Safety and Health Act

Hazardous Substances Prohibited for Manufacturing : Not applicable  
Hazardous Substances Requiring Permission : Not applicable

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Threshold Limit Values Chemicals	Applicable	107-21-1: Ethylene glycol(Vapor and mist) 1333-86-4: Carbon black
Hazardous Substances Below Permissible Level	Applicable	Universal No-Tape 304-12T
Hazardous Substances Subject to Working Environment Measurement	Applicable	107-21-1: Ethylene glycol (Measurement Cycle: 6 months) (contains above 1%)
Hazardous Substances Subject to Workers Requiring Health Examination	Applicable	107-21-1: Ethylene glycol (Examination Cycle: 12 months) (contains above 1%)
Hazardous Substances Subject to Control	Applicable	107-21-1: Ethylene glycol (contains above 1%)
Substance Subject to Submission of PSM	Not applicable	

### 15.2. Chemical Substances Control Act

Substance Hazardous to Human Health and Environment	Not applicable
Prohibited Substances	Not applicable
Restricted Substances	Not applicable
Substances Requiring Preparation for Accident	Not applicable

### 15.3. Safety Control of Dangerous Substances Act

Safety Control of Dangerous Substances Act	Applicable	111-46-6: diethylene glycol (Class 4 Flammable liquid - category 5 Third class Petroleum Water-soluble (Designated quantity: 4,000 liter)) 107-21-1: Ethylene glycol (Class 4 Flammable liquid - category 5 Third class Petroleum Water-soluble (Designated quantity: 4,000 liter))
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### 15.4. Wastes Control Act

Hazardous Substances in Designated wastes	Not applicable
Types of wastes	No data available

### 15.5. Other requirements in domestic and other countries

#### Act on Registration and Evaluation of Chemicals (K-REACH)

Korea Existing Chemicals Inventory (KECI)	Applicable	25791-96-2: Glycerol propylene oxide (KECI-No. : KE-29338) 32472-85-8: Diethylene Glycol-phthalic Anhydride Polymer (KECI-No. : KE-21412) 111-46-6: Diethylene glycol (KECI-No. : KE-27694) 107-21-1: 1,2-Ethanediol ; Ethylene glycol (KECI-No. : KE-13169) 68479-98-1: Diethyl toluene diamine (KECI-No. : KE-10494) 1333-86-4: Carbon black ; Acetylene black (KECI-No. : KE-04682) 68479-98-1: Diethyl toluene diamine (PEC-No. : 474)
Priority Existing Chemicals (PEC)	Applicable	
Substances Subject to Intensive Control	Applicable	Universal No-Tape 304-12T
CMR Substances	Not applicable	

#### Other Domestic Regulations

Persistent Organic Pollutants(POPs) Control Act	Not applicable	
Ozone Depleting Substances(ODS)	Not applicable	
PRTR Substances	Applicable	Universal No-Tape 304-12T

#### EU Regulatory Information

EU Candidate list (SVHC)	Contains no substance(s) listed on the REACH Candidate List
EU authorization list (REACH Annex XIV)	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
EU restriction list (REACH Annex XVII)	Not applicable

#### US Regulatory Information

CERCLA Section 103 (40CFR302.4)	Contains listed substances
EPCRA Section 302 (40CFR355.30)	Contains listed substances
EPCRA Section 304 (40CFR355.40)	Contains listed substances
EPCRA Section 313 (40CFR372.65)	Contains listed substances

# Universal No-Tape 304-12T

## Material Safety Data Sheet

According to MOEL Public notice 2023-9

### 16. Other information

#### 16.1. Information source and references

SDS prepared by CHEMTREC.

#### 16.2. Issue date

5/7/2025

#### 16.3. Revision number and Revision date

Version : 1.1  
Revision date : 2/9/2026

#### 16.4. Others

No data available

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.