

SAFETY DATA SHEET (SDS-US)

TOMADOL 9-7 NL

VA-No.

Version

2.0 / US

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1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : TOMADOL 9-7 NL

Chemical Name : Ethoxylated Alcohol

1.2. Recommended use of the chemical and restrictions on use

Recommended use : Research and Development

Non-recommended use(s) : For R&D use only. Not for pharmaceutical, household or other uses.

1.3. Details of the supplier of the safety data sheet

Company : Evonik Corporation
Nutrition & Care
PO Box 34628
Richmond VA 23234
USA

Telephone : +1 (0)804-727-0700

Telefax : +1 (0)804-727-0845

E-mail : us-productsafety-cs@evonik.com

Contact Canada

Company : Evonik Canada Inc.
3380 South Service
Burlington ON L7N 3J5
Canada

Telephone : +1 (0)905-336-3423-

Telefax : +1 (0)905-332-5632

E-mail : us-productsafety-cs@evonik.com

1.4. Emergency telephone number

Emergency information : Non-Emergency Phone Number : (800) 732-5616
In case of emergency call CHEMTREC US: 1-800-424-9300, CHEMTREC WORLD: 1-703-527-3887.

24 HOUR EMERGENCY TELEPHONE NUMBERS:

CHEMTREC - US & CANADA toll free: +1-800-424-9300

CHEMTREC - MEXICO toll free: 01-800-681-9531

CHEMTREC GLOBAL - Collect calls accepted: +1-703-527-3887

2. Hazards identification

2.1. Classification of the substance or mixture

GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity (Oral)

Category 4

H302

Serious eye damage

Category 1

H318

2.2. Label elements

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GHS classification in accordance with 29 CFR 1910.1200

Symbol(s)



Signal word : Danger

hazard statement : H302 - Harmful if swallowed.
H318 - Causes serious eye damage.

Precautionary Statement (Prevention) : P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear eye protection/ face protection.

Precautionary Statement (Response) : P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor.
P330 - Rinse mouth.

Precautionary Statement (Disposal) : P501 - Dispose of contents/ container to an approved waste disposal plant.

Warning - preparation contains a substance not yet fully tested.

2.3. Other hazards

3. Composition/information on ingredients

3.1. Substances

Hazardous components

Chemical Name	NJ Trade secrets CAS-No.	Concentration	Classification
Isononyl alcohol ethoxylate	- 2242406-13-7	>= 90 % - <= 100 %	H302, 4, Acute Tox., Oral H318, 1, Eye Dam.

Texts of H phrases, see in Chapter 16

3.2. Mixtures

-

4. First aid measures

4.1. Description of first aid measures

General advice : Seek medical advice.
If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Inhalation : Move to fresh air.

Skin contact : Wash off immediately with soap and plenty of water.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.

Ingestion : Prevent aspiration of vomit. Turn victim's head to the side.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms : Up to now no symptoms are known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
Dry chemical
Dry sand
Limestone powder

Unsuitable extinguishing media : no data available

5.2. Special hazards arising from the substance or mixture

Incomplete combustion may form carbon monoxide.

5.3. Advice for firefighters

Use personal protective equipment.
Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas.

6.2. Environmental precautions

Construct a dike to prevent spreading.

6.3. Methods and material for containment and cleaning up

Place in appropriate chemical waste container.
If possible, stop flow of product.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Use personal protective equipment.

Hygiene measures : Provide readily accessible eye wash stations and safety showers.

7.2. Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion

Information : No special measures required.

Storage

Information : Keep away from direct sunlight.
Overheating of an ethoxylate stored under air should be avoided. When an ethoxylate is vigorously mixed in the presence of air or oxygen at temperatures >125 F (50 C), it can degrade product quality. Storage under an inert atmosphere is recommended.

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Storage temperature : 12.77 - 37.77 °C

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)

Ingredients	CAS-No.	Statutory basis/list (Update)	Value type (Form of exposure; Expressed as)	Value	Short-term
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Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

8.2. Exposure controls

Engineering controls

Appropriate engineering controls : Provide readily accessible eye wash stations and safety showers.
Observe the rules usually applicable when handling chemicals.
Handle product only in closed system or provide appropriate exhaust ventilation at machinery.

Personal protective equipment

Eye protection : Safety goggles and/or face shield is recommended for use.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Impervious butyl rubber gloves

Body Protection : protective clothing

Respiratory protection : No personal respiratory protective equipment normally required.
Do not breathe dust or spray mist.
Use suitable respiratory protection where aerosols/vapours are generated.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : liquid

Form : liquid

Colour : yellow

Odour : Solvent

Odour Threshold : no data available

pH : 6 (25 °C)

Melting point : no data available

Boiling point : no data available

Flash point : > 125 °C

Evaporation rate : no data available

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Flammability : no data available

Upper Explosion/Ignition Limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available

Relative vapour density : no data available

Relative density : no data available

Solubility(ies) : no data available

Water solubility : readily soluble

Partition coefficient: n-octanol/water : no data available

Autoignition temperature : no data available

Thermal decomposition : no data available

Viscosity, kinematic : no data available

Viscosity, dynamic : no data available

Explosive properties : no data available

Oxidising properties : no data available

9.2. Other information

Density : 1.002 g/cm³
(25 °C)

Metal corrosion : no data available

Ignition temperature : no data available

volatile organic compounds : This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).
This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

10. Stability and reactivity

10.1. Reactivity

see section "Possibility of hazardous reactions"

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

no data available

10.4. Conditions to avoid

no data available

10.5. Incompatible materials

Reactive metals (e.g. sodium, calcium, zinc etc.).

Materials reactive with hydroxyl compounds.

Copper alloys

Strong acids

10.6. Hazardous decomposition products

Carbon monoxide

Carbon dioxide (CO₂)

Aldehydes

Flammable hydrocarbon fragments.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : no data available

Acute toxicity (inhalation) : No data is available on the product itself.

Acute toxicity (dermal) : no data available

Irritation/corrosion of the skin : no data available

Serious eye damage/ eye irritation : no data available

Respiratory/skin sensitization : no data available

Repeated dose toxicity : no data available

US. National Toxicology Program (NTP) Report on Carcinogens

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

US. IARC Monographs on Occupational Exposures to Chemical Agents

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Specific Target Organ Toxicity - Single exposure : no data available

Specific Target Organ Toxicity - Repeated exposure : no data available

Aspiration hazard : no data available

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12. Ecological information

Ecotoxicology Assessment

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

12.1. Toxicity

Aquatoxicity, fish : no data available

Aquatoxicity, invertebrates : no data available

Aquatoxicity, algae / aquatic plants : No data is available on the product itself.

Toxicity in microorganisms : no data available

chronic toxicity in fish : no data available

Chronic toxicity in aquatic Invertebrates : no data available

12.2. Persistence and degradability

Photodegradation : no data available

Biological degradability : no data available

12.3. Bioaccumulative potential

Bioaccumulation : no data available

12.4. Mobility in soil

Environmental distribution : no data available

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment : no data available

12.6. Other adverse effects

General Information : Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations

13.1. Waste treatment methods

Product : Contact supplier if guidance is required.

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Contaminated
packaging

: Packaging must be disposed of in accordance with national and local regulations concerned. Packaging must be thoroughly decontaminated before disposal.
Non-contaminated packaging may be re-used.

14. Transport information

Not dangerous according to transport regulations.

14.1.	UN number:	--
14.2.	UN proper shipping name:	--
14.3.	Transport hazard class(es):	--
14.4.	Packing group:	--
14.5.	Environmental hazards:	--
14.6.	Special precautions for user:	No

15. Regulatory information

US Federal Regulations

SARA Title III Section 311/312 Hazard Categories

- Acute Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

- This material does not contain any components with a SARA 302 RQ.

SARA 304 - Emergency Release Notification

- This material does not contain any components with a section 304 EHS RQ.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

- This material does not contain any components with a CERCLA RQ.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

- This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

- No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

US. Clean Air Act - Hazardous Air Pollutants (HAP)

- This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

US. Clean Air Act Section 112(r); Regulated toxic and flammable substances for Accidental Release Prevention - 40 CFR 68.130 (subpart F)

- This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

USA. Clean Water Act - Section 311: Designation of Hazardous Substances. CFR Title 40, Part 116

- This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

USA. Clean Water Act - Section 311, Determination of Reportable Quantities for Hazardous Chemicals. CFR Title 40, Part 117

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- This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

USA. Clean Water Act - Section 307: Toxic Pollutants

- This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

State Regulations

US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

|| Isononyl alcohol ethoxylate CAS-No.: 2242406-13-7

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

- No components are subject to the Massachusetts Right to Know Act.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

HMIS Ratings

Health:	2
Flammability:	1
Reactivity:	0
Personal Protection:	X

Notification status

USA (TSCA)	: not listed/registered
Canada (DSL)	: not listed/registered

16. Other information

List of references

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Relevant H phrases from chapter 3

H302	: Harmful if swallowed.
H318	: Causes serious eye damage.

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Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADNR	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization