

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : G-7
Product code : G-7

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Lubrication at high energy conditions in metal working operations, metal working specialties
Restrictions on use : None known

1.4. Supplier's details

Anchor Lubricants LLC
777 Canterbury Road
Westlake, OH 44145
USA
T (440) 871-1660 - F (440) 871-1661
[mailto: sales@anchorlube.com](mailto:sales@anchorlube.com)

1.5. Emergency phone number

Emergency number : (440) 871-1660

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. Label elements

GHS US labeling

No labeling applicable

2.3. Hazards associated with known or reasonably anticipated uses

None known

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : Prolonged or repeated contact may dry skin and cause irritation.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

G-7

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

3.2. Mixtures

Name	Product identifier	%
Phosphoric acid, trisodium salt, dodecahydrate	CAS-No.: 10101-89-0	1 – 5
Triethanolamine	CAS-No.: 102-71-6	1 – 5

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : No particular/specific measures required.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.

First-aid measures after skin contact : Wash skin with plenty of water. Get medical advice if skin irritation persists. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : No first aid should be needed. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : May cause minor eye irritation. May cause slight irritation to the skin.

Inhalation : None under normal use. May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin : May cause slight temporary irritation.

Eyes : No adverse effects expected under normal conditions of use. May cause minor eye irritation.

Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Chronic symptoms : None known.

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

Other medical advice or treatment : Not required. Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None.

5.2. Specific hazards arising from the chemical

Fire hazard : This product is not classified as flammable or combustible.

Explosion hazard : Product is not explosive.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Nitrogen oxides.

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.

G-7

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

: Ventilate area. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Caution : this product can cause the floor to be slippery. Do not touch or walk on the spilled product. Keep unnecessary and unprotected personnel away from the spillage.

For non-emergency personnel

Emergency procedures

: Ventilate spillage area. Avoid breathing vapors. Keep unnecessary and unprotected personnel away from the spillage.

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".

Environmental precautions

: Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment

: Highly viscous material. Dike and contain spill.

Methods for cleaning up

: Take up liquid spill into absorbent material. Shovel into suitable and closed container for disposal. Thoroughly clean surrounding area. Notify authorities if product enters sewers or public waters.

Other information

: Highly viscous material. Dispose of materials or solid residues at an authorized site.

For further information refer to section 8: "Exposure controls/personal protection". 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 breathing vapors. Avoid contact with skin and eyes. 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 incompatibilities

Storage conditions

: Store at room temperature. Store away from. Extremely high or low temperatures.

Incompatible materials

: Strong oxidizers.

Specific end uses

: Metal Working Fluids.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Triethanolamine (102-71-6)

USA - ACGIH - Occupational Exposure Limits

Local name	Triethanolamine
ACGIH® TLV® TWA	5 mg/m ³
Remark (ACGIH®)	TLV® Basis: Eye & skin irr
Regulatory reference	ACGIH 2024

G-7

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Phosphoric acid, trisodium salt, dodecahydrate (10101-89-0)

USA - OSHA - Occupational Exposure Limits

Local name	Particulates not otherwise regulated (PNOR)
OSHA PEL (TWA)	15 mg/m ³ (Total dust) (50 mppcf) 5 mg/m ³ (Respirable fraction) (15 mppcf)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure adequate ventilation.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:

Protective gloves recommended. Contact your glove supplier for selection assistance.

Eye protection:

Avoid contact with eyes. Recommended. Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Thermal hazard protection:

Not applicable.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Beige. Paste. highly viscous.
Color	: Beige
Odor	: Not determined
Odor threshold	: Not determined
pH	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: Not determined
Flash point	: Not applicable
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: Not determined
Relative vapor density at 20°C	: No data available
Relative density	: Not determined
Solubility	: Not determined.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not determined
Viscosity, kinematic	: Not determined
Explosion limits	: No data available
Explosive properties	: Product is not explosive.

G-7

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Oxidizing properties : Not oxidising.
Particle characteristics : Particle characteristics : Not determined

9.2. Data relevant with regard to physical hazard classes (supplemental)

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

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizers.

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

Triethanolamine (102-71-6)

LD50 oral rat	6400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Phosphoric acid, trisodium salt, dodecahydrate (10101-89-0)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 0.83 mg/l/4h

Skin corrosion/irritation : Not classified
pH: Not determined

Serious eye damage/irritation : Not classified
pH: Not determined

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified

G-7

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Carcinogenicity : Not classified

Triethanolamine (102-71-6)

NOAEL (chronic,oral,animal/male,2 years)	63 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies)
--	---

IARC group	3 - Not classifiable
------------	----------------------

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Phosphoric acid, trisodium salt, dodecahydrate (10101-89-0)

STOT-single exposure	May cause respiratory irritation.
----------------------	-----------------------------------

STOT-repeated exposure	: Not classified
------------------------	------------------

Triethanolamine (102-71-6)

NOAEL (oral,rat,90 days)	1000 mg/kg body weight
--------------------------	------------------------

Phosphoric acid, trisodium salt, dodecahydrate (10101-89-0)

NOAEL (subchronic,oral,animal/male,90 days)	322.88 mg/kg body weight (Dog)
---	--------------------------------

NOAEL (subchronic,oral,animal/female,90 days)	492.77 mg/kg body weight (Dog)
---	--------------------------------

Aspiration hazard : Not classified

G-7

Viscosity, kinematic	Not determined
----------------------	----------------

Symptoms/effects : May cause minor eye irritation. May cause slight irritation to the skin.

Inhalation : None under normal use. May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin : May cause slight temporary irritation.

Eyes : No adverse effects expected under normal conditions of use. May cause minor eye irritation.

Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

Chronic symptoms : None known.

SECTION 12 Ecological information

12.1. Ecotoxicity

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

Hazardous to the aquatic environment, long-term (chronic) : Not applicable.

Triethanolamine (102-71-6)

LC50 - Fish [1]	11800 mg/l Pimephales promelas (Fathead minnow)
-----------------	---

EC50 - Crustacea [1]	609.88 mg/l Ceriodaphnia dubia
----------------------	--------------------------------

EC50 72h - Algae [1]	512 mg/l Desmodesmus subspicatus
----------------------	----------------------------------

EC50 72h - Algae [2]	216 mg/l Desmodesmus subspicatus
----------------------	----------------------------------

NOEC chronic fish	> 1 mg/l
-------------------	----------

Phosphoric acid, trisodium salt, dodecahydrate (10101-89-0)

LC50 - Fish [1]	> 100 mg/l Oncorhynchus mykiss (Rainbow trout)
-----------------	--

EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Water flea)
----------------------	---------------------------------------

G-7

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Phosphoric acid, trisodium salt, dodecahydrate (10101-89-0)

EC50 72h - Algae [1]	> 100 mg/l Desmodesmus subspicatus
----------------------	------------------------------------

12.2. Persistence and degradability

G-7	
Persistence and degradability	Inherently biodegradable.
Triethanolamine (102-71-6)	
Persistence and degradability	Rapidly degradable
Phosphoric acid, trisodium salt, dodecahydrate (10101-89-0)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: None known.
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated	Not applicable	Not regulated	Not regulated
14.2. Proper Shipping Name			
Not regulated	Not applicable	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not applicable	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not applicable	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not applicable	Not regulated	Not regulated
No supplementary information available			

G-7

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

TDG

Not applicable

IMDG

Not regulated

IATA

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

G-7

SARA Section 311/312 Hazard Classes

Refer to Section 2 for OSHA Hazard Classification.

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Phosphoric acid, trisodium salt, dodecahydrate

CAS-No. 10101-89-0

1 – 5%

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Phosphoric acid, trisodium salt, dodecahydrate (10101-89-0)

CERCLA RQ

5000 lb

15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

Component	State or local regulations
Triethanolamine(102-71-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
Phosphoric acid, trisodium salt, dodecahydrate(10101-89-0)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities

G-7

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 10/8/2025

Indication of changes:

New version.

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.