Motivity Triple Foam Polish (Blue)

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
SDS Reference Number: 30949
Issue date: 3/11/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Motivity Triple Foam Polish (Blue)

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Supplier's details

Motivity
900 Mendelssohn Ave N
Golden Valley, MN, 55427
USA
T 800-636-7990

1.5. Emergency phone number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) : H318 - Causes serious eye damage
Precautionary statements (GHS US) : P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
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 or doctor.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
AMINES, C10-16-ALKYLDIMETHYL, N-OXIDES AND/OR LAURYLAMINE OXIDE	CAS-No.: 70592-80-2 / 1643-20-5	1 – 10	Skin Irrit. 2, H315 Eye Dam. 1, H318
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID	CAS-No.: 2809-21-4	1 – 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
BENZALDEHYDE	CAS-No.: 100-52-7	0.1 – 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319 STOT SE 3, H335

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 : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

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 : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : None under normal conditions.

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

Symptoms/effects after ingestion : None under normal conditions.

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

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	:	No fire hazard.
Explosion hazard	:	No direct explosion hazard.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released.

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. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Ventilate spillage area. Avoid contact with skin and eyes.

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".
Emergency procedures	:	Evacuate unnecessary personnel. Stop leak if safe to do so.
Environmental precautions	:	Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment	:	Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up	:	Take up liquid spill into absorbent material.
Other information	:	Dispose of materials or solid residues at an authorized site.

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. Wear personal protective equipment.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed	:	Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

Technical measures	:	Keep in a cool, well-ventilated place away from heat.
Storage conditions	:	Keep cool. Protect from sunlight.
Packaging materials	:	Store always product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

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, such as personal protective equipment

Personal protective equipment:
Wear recommended 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. Basic physical and chemical properties

Physical state	:	Liquid
Color	:	Blue
Odor	:	Fruity
Odor threshold	:	No data available
pH	:	3.2
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	100 °C
Flash point	:	> 100 °C
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	1.02
Solubility	:	Soluble in water.
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

Explosion limits : No data available

Particle characteristics : No data available

COMP - 1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID	
Particle characteristics	No data available

COMP - AMINES, C10-16-ALKYLDIMETHYL, N-OXIDES AND/OR LAURYLAMINE OXIDE	
Particle characteristics	No data available

COMP - BENZALDEHYDE	
Particle characteristics	No data available

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

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

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
LD50 dermal rabbit	> 10000 mg/kg (24 h, Rabbit, Male / female, Literature study, Dermal)
ATE US (oral)	1878 mg/kg body weight

BENZALDEHYDE (100-52-7)	
LD50 dermal rabbit	> 2000 mg/kg body weight (24 h, Rabbit, Read-across, Dermal, 14 day(s))

BENZALDEHYDE (100-52-7)	
LC50 Inhalation - Rat	1 – 5 mg/l (OECD 436: Acute inhalation toxicity-acute toxic class method, 4 h, Rat, Male / female, Experimental value, Inhalation (mixture of vapour and aerosol), 14 day(s))
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	1 mg/l/4h
ATE US (dust, mist)	1 mg/l/4h

Skin corrosion/irritation : Not classified
pH: 3.2

BENZALDEHYDE (100-52-7)	
pH	5.9 (0.1 %)

Serious eye damage/irritation : Causes serious eye damage.
pH: 3.2

BENZALDEHYDE (100-52-7)	
pH	5.9 (0.1 %)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
NOAEL (chronic,oral,animal/male,2 years)	≥ 384 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (chronic,oral,animal/female,2 years)	≥ 493 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicity : Not classified

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
NOAEL (animal/male, F1)	≈ 294 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]

STOT-single exposure : Not classified

BENZALDEHYDE (100-52-7)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
LOAEL (oral,rat,90 days)	169 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other:
NOAEL (oral,rat,90 days)	41 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Remarks on results: other:

Aspiration hazard : Not classified

Motivity Triple Foam Polish (Blue)	
Viscosity, kinematic	No data available

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
Viscosity, kinematic	No data available

AMINES, C10-16-ALKYLDIMETHYL, N-OXIDES AND/OR LAURYLAMINE OXIDE (70592-80-2 / 1643-20-5)	
Viscosity, kinematic	No data available

BENZALDEHYDE (100-52-7)	
Viscosity, kinematic	1.258 mm²/s

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : None under normal conditions.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
LC50 - Fish [1]	2180 mg/l (Equivalent or similar to OECD 203, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	527 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 - Other aquatic organisms [1]	1770 mg/l Test organisms (species): Palaemonetes pugio
EC50 96h - Algae [1]	3.5 – 12 mg/l (Other, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)
NOEC (chronic)	6.75 mg/l Test organisms (species): Daphnia magna Duration: '28 d'

BENZALDEHYDE (100-52-7)	
LC50 - Fish [1]	12.4 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	50 mg/l (24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)

12.2. Persistence and degradability

Motivity Triple Foam Polish (Blue)	
Persistence and degradability	Not rapidly degradable

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
Persistence and degradability	Not readily biodegradable in the soil, Not readily biodegradable in water.

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
Chemical oxygen demand (COD)	0.00026 g O_2/g substance

AMINES, C10-16-ALKYLDIMETHYL, N-OXIDES AND/OR LAURYLAMINE OXIDE (70592-80-2 / 1643-20-5)	
Persistence and degradability	Not rapidly degradable

BENZALDEHYDE (100-52-7)	
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.62 g O_2/g substance
Chemical oxygen demand (COD)	1.98 g O_2/g substance
ThOD	2.42 g O_2/g substance
BOD (% of ThOD)	0.67

12.3. Bioaccumulative potential

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
BCF - Fish [1]	71 (Other, 49 day(s), Cyprinus carpio, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	-3.5 (Experimental value, Other)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

BENZALDEHYDE (100-52-7)	
BCF - Other aquatic organisms [1]	4.2 – 7.8 (Literature study, Estimated value)
Partition coefficient n-octanol/water (Log Pow)	1.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.22 (log Koc, Other, Experimental value)
Ecology - soil	Low potential for mobility in soil.

BENZALDEHYDE (100-52-7)	
Surface tension	70.5 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.75 (log Koc)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

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.
Sewage disposal recommendations	:	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	:	Disposal must be done according to official regulations.
Additional information	:	Do not re-use empty containers.

SECTION 14 Transport information

In accordance with DOT

14.1. UN number

Not regulated for transport

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated

14.3. Transport hazard class(es)

DOT

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

14.4. Packing group

Packing group (DOT) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

Special transport precautions : Not regulated by DOT unless transported in aluminum or steel containers by motor vehicle or rail.

DOT

Not regulated

SECTION 15 Regulatory information

15.1. 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
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID	2809-21-4	Present	Active	
AMINES, C10-16-ALKYLDIMETHYL, N-OXIDES AND/OR LAURYLAMINE OXIDE	70592-80-2 / 1643-20-5	Not present	-	
BENZALDEHYDE	100-52-7	Present	Active	

15.2. International regulations

CANADA

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)

Listed on the Canadian DSL (Domestic Substances List)

BENZALDEHYDE (100-52-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID (2809-21-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

BENZALDEHYDE (100-52-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

No additional information available

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Issue date : 3/11/2025

Full text of hazard classes and H-statements	
H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

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.