

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Mighty Brightline High pH Presoak

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Mighty Auto Parts
650 Engineering Drive
Peachtree Corners, GA 30092
USA
T 800-829-3900

1.4. Emergency telephone number

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

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 1	H314	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
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.

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P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

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
SODIUM HYDROXIDE	CAS-No.: 1310-73-2	5 – 10	Met. Corr. 1, H290 Skin Corr. 1, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
AMINES, C10-16-ALKYLDIMETHYL, N-OXIDES AND/OR LAURYLAMINE OXIDE	CAS-No.: 70592-80-2 / 1643-20-5	1 – 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT	CAS-No.: 64-02-8	1 – 5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373

*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 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 inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact : Burns.
Symptoms/effects after eye contact : Serious damage to eyes.

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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.
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.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

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".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material 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.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	: Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapors/spray. 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 any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

SODIUM HYDROXIDE (1310-73-2)

USA - ACGIH - Occupational Exposure Limits

Local name	Sodium hydroxide
ACGIH OEL Ceiling	2 mg/m ³
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2022

USA - OSHA - Occupational Exposure Limits

Local name	Sodium hydroxide
OSHA PEL TWA	2 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	2 mg/m ³
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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

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

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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
Color	: Clear
Odor	: Fresh
Odor threshold	: No data available
pH	: 13 – 14
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 100 °C
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	: 1.05 – 1.1 at 15.6°C
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.

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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

ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns. pH: 13 – 14

SODIUM HYDROXIDE (1310-73-2)

pH	14 (5.0 %)
ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)	
pH	11 (1 %)
Serious eye damage/irritation	: Causes serious eye damage. pH: 13 – 14

SODIUM HYDROXIDE (1310-73-2)

pH	14 (5.0 %)
ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)	
pH	11 (1 %)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

SODIUM HYDROXIDE (1310-73-2)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.

ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.015 mg/l air Animal: rat, Animal sex: female, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
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ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

NOAEL (oral,rat,90 days)	≥ 500 mg/kg body weight Animal: rat, Animal sex: male
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
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.

SODIUM HYDROXIDE (1310-73-2)

LC50 - Fish [1]	189 mg/l (Leuciscus idus, Pure substance)
EC50 - Crustacea [1]	40.4 mg/l Source: ECHA

ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

LC50 - Fish [1]	121 mg/l (96 h, Lepomis macrochirus, Literature study, Soft water)
EC50 - Crustacea [1]	625 mg/l (24 h, Daphnia magna, Literature study)
EC50 72h - Algae [1]	100 mg/l Source: IUCLID
LOEC (chronic)	50 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 25.7 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d'

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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SODIUM HYDROXIDE (1310-73-2)

Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

AMINES, C10-16-ALKYLDIMETHYL, N-OXIDES AND/OR LAURLAMINE OXIDE (70592-80-2 / 1643-20-5)

Persistence and degradability	Not rapidly degradable
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ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	< 0.002 g O ₂ /g substance

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ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

Chemical oxygen demand (COD)	0.54 – 0.58 g O ₂ /g substance
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12.3. Bioaccumulative potential

SODIUM HYDROXIDE (1310-73-2)

Partition coefficient n-octanol/water (Log Pow)	-3.88 Source: SRC
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Bioaccumulative potential	Not bioaccumulative.
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ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

Partition coefficient n-octanol/water (Log Pow)	-2.6
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Bioaccumulative potential	Not bioaccumulative.
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12.4. Mobility in soil

SODIUM HYDROXIDE (1310-73-2)

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

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

DOT NA No	: UN1824
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14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Sodium hydroxide solution
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14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	: 8
Hazard labels (DOT)	: 8



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14.4. Packing group

Packing group (DOT) : II

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN1824
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 242

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
SODIUM HYDROXIDE	1310-73-2	Present	Active	
AMINES, C10-16-ALKYLDIMETHYL, N-OXIDES AND/OR LAURYLAMINE OXIDE	70592-80-2 / 1643-20-5	Not present	-	
ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT	64-02-8	Present	Active	

SODIUM HYDROXIDE (1310-73-2)

Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ 1000 lb

15.2. International regulations

CANADA

SODIUM HYDROXIDE (1310-73-2)

Listed on the Canadian DSL (Domestic Substances List)

ETHYLENEDIAMINE-N,N,N',N'-TETRAACETIC ACID TETRASODIUM SALT (64-02-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

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15.3. US State regulations

No additional information available

SECTION 16: Other information

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Full text of H-phrases	
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

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.