



Safety Data Sheet

Caldron

Version number: GHS 1.0

Date of compilation: 2022-08-11

SECTION 1: Identification

1.1 Product identifier

Trade name **Caldron**
CAS number Mixture
Product code(s)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Industrial use

1.3 Details of the supplier of the safety data sheet

EGE Products
450 CR C
Minneola, KS 67865
United States

Telephone: (620) 450-4320

1.4 Emergency telephone number

Emergency information service CHEMTREC (800) 424-9300 (AVAILABLE 24 HOURS A DAY)

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word **Danger**

- Pictograms

GHS05



- Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

- Additional statements

0 % of the mixture consists of ingredient(s) of unknown toxicity (acute oral toxicity). 0 % of the mixture consists of ingredient(s) of unknown toxicity (acute dermal toxicity). 0 % of the mixture consists of ingredient(s) of unknown toxicity (acute inhalative toxicity).

- Precautionary statements

P280 Wear protective gloves.
 P302+P352 If on skin: Wash with plenty of water.
 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.
 P321 Specific treatment (see on this label).
 P362 Take off contaminated clothing and wash it before reuse.

- Hazardous ingredients for labelling 4-Nonylphenol

2.3 Other hazards

Endocrine disrupting properties

Contains an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Name of substance **Caldron**
 Identifiers
 CAS No Mixture

3.2 Mixtures

Name of substance	Identifier	Wt%
Fatty Acid Methyl Esters	CAS No 67784-80-9	5 - < 80
Soybean Oil	CAS No 61791-23-9	2 - < 60
Ammonium nitrate	CAS No 6484-52-2	2 - < 60
Urea	CAS No 57-13-6	2 - < 60
4-Nonylphenol	CAS No 127087-87-0	1 - < 20
Isopropylamine alkylbenzenesulfonic	CAS No 68649-00-3	1 - < 20
Propane	CAS No 57-55-6	1 - < 20

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks or other ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. .

Control of the effects

Protect against external exposure, such as
frost

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This information is not available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection**- Hand protection**

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	liquid
Color	clear to amber
Odor	characteristic

Other safety parameters

pH (value)	7.4
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	>93.33 °C
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	not determined
Density	8.95 lb/gal
Vapor density	this information is not available
Relative density	1.074 (water = 1)
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
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Auto-ignition temperature	>400 °C
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none
9.2 Other information	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
4-Nonylphenol	127087-87-0	oral	960 mg/kg
4-Nonylphenol	127087-87-0	inhalation: vapor	11 mg/l/4h
4-Nonylphenol	127087-87-0	inhalation: dust/mist	1.15 mg/l/4h
Isopropylamine alkylbenzenesulfonic	68649-00-3	oral	1,800 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

Contains an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$. None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN/NA Number	not subject to transport regulations
14.2 UN proper shipping name	not relevant
14.3 Transport hazard class(es)	not assigned
14.4 Packing group	not assigned
14.5 Environmental hazards	not assigned

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)				
Name of substance	Name acc. to inventory	CAS No	Restriction	No
4-Nonylphenol	nonylphenoethoxylates	9016-45-9	R46	46b
4-Nonylphenol	nonylphenoethoxylates (NPE)	9016-45-9	R46a2	46a(2)
Ammonium nitrate	ammonium nitrate (AN)	6484-52-2	R58	58
Ammonium nitrate	inorganic ammonium salts		R65	65

Legend

- R46 Shall not be placed on the market, or used, as substances or in mixtures in concentrations equal to or greater than 0,1 % by weight for the following purposes:
- (1) industrial and institutional cleaning except:
 - controlled closed dry cleaning systems where the washing liquid is recycled or incinerated,
 - cleaning systems with special treatment where the washing liquid is recycled or incinerated.
 - (2) domestic cleaning;
 - (3) textiles and leather processing except:
 - processing with no release into waste water,
 - systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin);
 - (4) emulsifier in agricultural teat dips;
 - (5) metal working except:
 - uses in controlled closed systems where the washing liquid is recycled or incinerated;
 - (6) manufacturing of pulp and paper;
 - (7) cosmetic products;
 - (8) other personal care products except:
 - spermicides;
 - (9) co-formulants in pesticides and biocides. However national authorisations for pesticides or biocidal products containing nonylphenol ethoxylates as co-formulant, granted before 17 July 2003, shall not be affected by this restriction until their date of expiry.

Legend

- R46a2 1. Shall not be placed on the market after 3 February 2021 in textile articles which can reasonably be expected to be washed in water during their normal lifecycle, in concentrations equal to or greater than 0,01 % by weight of that textile article or of each part of the textile article.
2. Paragraph 1 shall not apply to the placing on the market of second-hand textile articles or of new textile articles produced, without the use of NPE, exclusively from recycled textiles.
3. For the purposes of paragraphs 1 and 2, "textile article" means any unfinished, semi-finished or finished product which is composed of at least 80 % textile fibres by weight, or any other product that contains a part which is composed of at least 80 % textile fibres by weight, including products such as clothing, accessories, interior textiles, fibres, yarn, fabrics and knitted panels.
- R58 1. Shall not be placed on the market for the first time after 27 June 2010 as a substance, or in mixtures that contain more than 28 % by weight of nitrogen in relation to ammonium nitrate, for use as a solid fertiliser, straight or compound, unless the fertiliser complies with the technical provisions for ammonium nitrate fertilisers of high nitrogen content set out in Annex III to Regulation (EC) No 2003/2003 of the European Parliament and of the Council (10).
- R65 1. Shall not be placed on the market, or used, in cellulose insulation mixtures or cellulose insulation articles after 14 July 2018 unless the emission of ammonia from those mixtures or articles results in a concentration of less than 3 ppm by volume (2,12 mg/m³) under the test conditions specified in paragraph 4.
A supplier of a cellulose insulation mixture containing inorganic ammonium salts shall inform the recipient or consumer of the maximum permissible loading rate of the cellulose insulation mixture, expressed in thickness and density.
A downstream user of a cellulose insulation mixture containing inorganic ammonium salts shall ensure that the maximum permissible loading rate communicated by the supplier is not exceeded.
2. By way of derogation, paragraph 1 shall not apply to placing on the market of cellulose insulation mixtures intended to be used solely for the production of cellulose insulation articles, or to the use of those mixtures in the production of cellulose insulation articles.
3. In the case of a Member State that, on 14 July 2016, has national provisional measures in place that have been authorised by the Commission pursuant to Article 129(2)(a), the provisions of paragraphs 1 and 2 shall apply from that date.
4. Compliance with the emission limit specified in the first subparagraph of paragraph 1 shall be demonstrated in accordance with Technical Specification CEN/TS 16516, adapted as follows:
(a) the duration of the test shall be at least 14 days instead of 28 days;
(b) the ammonia gas emission shall be measured at least once per day throughout the test;
(c) the emission limit shall not be reached or exceeded in any measurement taken during the test;
(d) the relative humidity shall be 90 % instead of 50 %;
(e) an appropriate method to measure the ammonia gas emission shall be used;
(f) the loading rate, expressed in thickness and density, shall be recorded during the sampling of the cellulose insulation mixtures or articles to be tested.

List of substances subject to authorization (REACH, Annex XIV) / SVHC - candidate list

Substance of Very High Concern (SVHC)			
Name acc. to inventory	CAS No	Listed in	Remarks
4-nonylphenol, branched and linear, ethoxylated		Annex XIV	EDP (57f-env) rem-43

Legend

- annex XIV List of substances subject to authorisation
EDP (57f-env) Endocrine disrupting potential (article 57(f) - environment)
rem-43 Substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation concerning the export and import of hazardous chemicals (PIC)

Chemicals subject to the international prior informed consent (PIC) procedure (the 'PIC procedure').

Name of substance	CAS No	Category / subcategory	Use limitation
4-Nonylphenol	127087-87-0	i(1) p(1) p(2)	sr b b
4-Nonylphenol	127087-87-0	i p	sr b

Legend

- b Use limitation: ban (for the sub-category or sub-categories concerned) according to Union legislation
i Category: i - industrial chemical
i(1) Sub-category: i(1) - industrial chemical for professional use
p Category: p - pesticides

Legend

p(1)	Sub-category: p(1) - pesticide in the group of plant protection products
p(2)	Sub-category: p(2) - other pesticide including biocides
sr	Use limitation: severe restriction (for the sub-category or sub-categories concerned) according to Union legislation

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

Persistent organic pollutants (POP)

Not listed.

National regulations (United States)**Superfund Amendment and Reauthorization Act (SARA TITLE III)**

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

none of the ingredients are listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

none of the ingredients are listed

Right to Know Hazardous Substance List

- Toxic or Hazardous Substance List (MA-TURA)

not all ingredients are listed. Listed in: 4-Nonylphenol, branched, ethoxylated, Ammonium nitrate. Not listed: Isopropylamine alkylbenzenesulfonic, Propane-1,2-diol, Fatty Acid Methyl Esters, Water, Urea, Soybean Oil, Ethoxylated

- Hazardous Substances List (MN-ERTK)

not all ingredients are listed. Listed in: Propane-1,2-diol, Urea. Not listed: 4-Nonylphenol, branched, ethoxylated, Isopropylamine alkylbenzenesulfonic, Fatty Acid Methyl Esters, Water, Ammonium nitrate, Soybean Oil, Ethoxylated

- Hazardous Substance List (NJ-RTK)

not all ingredients are listed. Listed in: Propane-1,2-diol, Ammonium nitrate. Not listed: 4-Nonylphenol, branched, ethoxylated, Isopropylamine alkylbenzenesulfonic, Fatty Acid Methyl Esters, Water, Urea, Soybean Oil, Ethoxylated

- Hazardous Substance List (Chapter 323) (PA-RTK)

not all ingredients are listed. Listed in: Propane-1,2-diol, Ammonium nitrate. Not listed: 4-Nonylphenol, branched, ethoxylated, Isopropylamine alkylbenzenesulfonic, Fatty Acid Methyl Esters, Water, Urea, Soybean Oil, Ethoxylated

- Hazardous Substance List (RI-RTK)

not all ingredients are listed. Listed in: Propane-1,2-diol, Ammonium nitrate. Not listed: 4-Nonylphenol, branched, ethoxylated, Isopropylamine alkylbenzenesulfonic, Fatty Acid Methyl Esters, Water, Urea, Soybean Oil, Ethoxylated

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

Industry or sector specific available guidance(s)**NPCA-HMIS® III**

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	1	material that must be preheated before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	1	material that must be preheated before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision**Indication of changes (revised safety data sheet)**

New: 08/11/2022.

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT).

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.