



CALLA 8050

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 3/20/2019 Revision date: 9/10/2024 Supersedes: 2/16/2021 Version: 1.4

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : CALLA 8050

1.2. Recommended use and restrictions on use

Recommended use : Washing and cleaning products (including solvent based products)

1.3. Supplier

Zip-Chem Products
400 Jarvis Drive
Morgan Hill, CA, Santa Clara, 95037
United States
T 408-782-2335 - F 408-782-6304
zipchem@addevmaterials.com - www.zipchem.com

1.4. Emergency telephone number

Emergency number : 1-800-424-9300

Country/Area	Organization/Company	Address	Emergency number	Comment
US	Chemtrec		1-800-424-9300	

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification			
Acute toxicity (oral) Category 4	H302	Harmful if swallowed	On basis of test data
Skin corrosion/irritation Category 2	H315	Causes skin irritation	Calculation method
Serious eye damage/eye irritation Category 2A	H319	Causes serious eye irritation	Expert judgment

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) : Warning
Hazard statements (GHS US) : H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation

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Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
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.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
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)

2.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
2.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
NONYLPHENOL, 4-Branched ETHOXYLATED	CAS-No.: 127087-87-0	0-2	Aquatic Chronic 3, H402
SODIUM HYDROXIDE	CAS-No.: 1310-73-2	0-2	Skin Corr. 1A, H314
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	CAS-No.: 64-02-8	0-5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

No additional information available

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/effects after skin contact : irritation (itching, redness, blistering). Irritation.
Symptoms/effects after eye contact : Mild eye irritation. Redness. Eye irritation.
Symptoms/effects after ingestion : Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

No additional information available

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Eliminate all ignition sources if safe to do so.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spillage to prevent material-damage. Avoid contact with skin and eyes. Clean up any spills as soon as possible, using an absorbent material to collect it. Remove ignition sources. Stop leak if safe to do so. Evacuate area.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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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 2024
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
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 2024
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

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Protective clothing. Safety glasses. Self-contained breathing apparatus.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Green
Odor	: Barely perceptible odour
Odor threshold	: No data available
pH	: 11-12
Melting point	: No data available.
Freezing point	: No data available
Boiling point	: No data available

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Flash point	: None
Relative evaporation rate (butyl acetate=1)	: Slow
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: < 1
Relative vapor density at 20°C	: No data available.
Relative density	: 1
Density	: 1006 – 1054 g/l
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	: Not oxidising.

9.2. Other information

VOC content : 25 g/l (VOC Less Water and Exempt Solvents)

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)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

CALLA 8050	
LD50 oral rat	≤ 500 mg/kg
ATE US (oral)	500 mg/kg body weight

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Unknown acute toxicity (GHS US)	2.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 2.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
LD50 oral rat	1890 mg/kg body weight (Rat, Male / female, Experimental value, Oral)
LD50 oral	657 mg/kg body weight (Rabbit, Male / female, Experimental value, Oral)
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)	
LD50 oral rat	1780 – 2000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
Skin corrosion/irritation	: Causes skin irritation. pH: 11-12
NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
pH	6.3 (1 %)
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)	
pH	11 (1 %)
Serious eye damage/irritation	: Causes serious eye irritation. pH: 11-12
NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
pH	6.3 (1 %)
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (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
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)	
Viscosity, kinematic	Not applicable (solid)
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.
Symptoms/effects after skin contact	: irritation (itching, redness, blistering). Irritation.
Symptoms/effects after eye contact	: Mild eye irritation. Redness. Eye irritation.
Symptoms/effects after ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
LC50 - Fish [1]	11.6 mg/l (48 h, Oryzias latipes, Static system, Fresh water, Experimental value)

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NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
EC50 - Crustacea [1]	14 mg/l (48 h, Daphnia magna, Static renewal, Fresh water, Experimental value)
EC50 96h - Algae [1]	12 mg/l (Selenastrum capricornutum, Static system, Fresh water, Experimental value, Nominal concentration)

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)	
LC50 - Fish [1]	121 mg/l (US EPA, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Soft water)
EC50 - Crustacea [1]	625 mg/l (DIN 38412-11, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 100 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Weight of evidence, Nominal concentration)

12.2. Persistence and degradability

CALLA 8050	
Persistence and degradability	Not rapidly degradable
SODIUM HYDROXIDE (1310-73-2)	
Persistence and degradability	Not rapidly degradable
NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
Persistence and degradability	Not readily biodegradable in water, Biodegradable in water.
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	< 0.002 g O ₂ /g substance
Chemical oxygen demand (COD)	0.54 – 0.58 g O ₂ /g substance

12.3. Bioaccumulative potential

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
BCF - Fish [1]	7.6 – 12.4 l/kg (6 week(s), Cyprinus carpio, Static system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	5.67 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500). Low potential for bioaccumulation (molecular mass >=700 g/mol).
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)	
BCF - Fish [1]	1.1 – 1.8 (28 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-13.17 (QSAR, KOWWIN, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.631 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)

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NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)	
Ecology - soil	No (test)data on mobility of the substance available. Low potential for adsorption in soil.
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.495 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Industrial waste. Clean up even minor leaks or spills if possible without unnecessary risk.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

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

14.6. Special precautions for user

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

NONYLPHENOL, 4-Branched ETHOXYLATED	CAS-No. 127087-87-0	0-2%
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SODIUM HYDROXIDE (1310-73-2)

CERCLA RQ	1000 lb
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15.2. International regulations

CANADA

SODIUM HYDROXIDE (1310-73-2)

Listed on the Canadian DSL (Domestic Substances List)

NONYLPHENOL, 4-Branched ETHOXYLATED (127087-87-0)

Listed on the Canadian DSL (Domestic Substances List)

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

SODIUM HYDROXIDE (1310-73-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (64-02-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US 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

SECTION 16: Other information

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Revision date : 9/10/2024

Full text of H-phrases

H227	Combustible liquid
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Full text of H-phrases	
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
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.