

SAFETY DATA SHEET**KALAMA® SODIUM BENZOATE NF/FCC EDF**

Version	Revision Date:	SDS Number:	Date of last issue: 01/04/2024
6.0	01/04/2024	203000020454	Country / Language: US / EN

SECTION 1. IDENTIFICATION

Product name : KALAMA® SODIUM BENZOATE NF/FCC EDF

Product code : 000000000062609801

Manufacturer or supplier's details

Company : LANXESS Corporation
Product Safety & Regulatory Affairs
111 RIDC Park West Drive
Pittsburgh, Pennsylvania 15275-1112

Responsible Department : (800) LANXESS
(412) 809-1000
lanxesshes@lanxess.com

Emergency telephone : CHEMTREC (800) 424-9300 or
(703) 527-3887 (Outside U.S.A) and mention CCN12916.
Lanxess Emergency Phone (800) 410-3063.

Recommended use of the chemical and restrictions on use

Recommended use : Additive

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Combustible dust

Eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.
Causes serious eye irritation.

Supplemental Hazard State- : Prevent dust accumulation.

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ments

Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.
Get medical attention if symptoms occur.
In case of contact, flush skin or eyes with plenty of lukewarm water.

Precautionary Statements : **Prevention:**
Wash skin thoroughly after handling.
Wear eye protection/ face protection.

Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : sodium benzoate

Components

Chemical name	CAS-No.	Concentration (% w/w)
Benzoic acid, sodium salt	532-32-1	>= 99 - <= 100

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST AID MEASURES

If inhaled : If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration, or oxygen by a trained professional, using a pocket type respirator.
Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Get medical attention if adverse health effects persist or are severe.
Maintain open airway.
Loosen tight clothing such as a collar, tie, belt or waistband.

In case of skin contact : Wash off with plenty of water.

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Remove contaminated clothing and shoes.
Wash contaminated clothing before reuse.
Thoroughly clean shoes before reuse.
Call a physician if irritation develops or persists.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Continue to rinse for at least 20 minutes.
Remove contact lenses.
Get medical attention if symptoms appear.

If swallowed : Rinse mouth with water.
Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
Never give anything by mouth to an unconscious person.
If unconscious, place in recovery position and get medical attention immediately.
Maintain open airway.
Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms and effects, both acute and delayed

Symptoms : Eye: Causes irritation with symptoms of reddening, tearing, stinging, and swelling.
May cause irritation with symptoms of reddening and itching.

Effects : Causes serious eye irritation.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire fighting : Fine powder forms flammable and explosive mixtures in air.
Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
Do not allow run-off from fire fighting to enter drains or water courses.

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Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
Metal oxides

Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
No action shall be taken involving any personal risk or without suitable training.
Move containers from fire if this can be done without risk.
Cool closed containers exposed to fire with water.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : No action shall be taken involving any personal risk or without suitable training.
Keep unnecessary and unprotected personnel from entering.
Remove all sources of ignition.
Avoid dust formation.
Ensure adequate ventilation or exhaust ventilation in the working area.
Avoid breathing dust.
Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Move containers from spill area.
Use non-sparking tools.
Use explosion-proof electrical equipment.
Vacuum or sweep up material and place in a designated, labeled waste container.
Dispose of wastes in an approved waste disposal facility.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame).

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Avoid inhalation, ingestion and contact with skin and eyes.
Use only with adequate ventilation.
In case of insufficient ventilation, wear suitable respiratory equipment.
Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
Electrical equipment should be protected to the appropriate standard.
Take precautionary measures against static discharges.
Empty containers retain product residue; observe all precautions for product.
Do not re-use empty containers.
Remove contaminated clothing and protective equipment before entering eating areas.
Workers should wash hands and face before eating, drinking and smoking.
Put on appropriate personal protection equipment.
Use non-sparking tools and equipment. Consult National Fire Protection Association (NFPA) 654 Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids for details on the safe handling and equipment design.

Conditions for safe storage : Store in accordance with local regulations.
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.
Store away from incompatible materials (see section 10) and food and drink.
Keep containers sealed until ready for use.
Keep away from heat and sources of ignition.
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Do not store in unlabeled containers.
Use appropriate container to avoid environmental contamination.
Empty containers retain residue and can be dangerous.
Do not reuse container.

Further information on storage stability : Stable under recommended storage conditions.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parameters / Permissible	Basis
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		exposure)	concentration	
Benzoic acid, sodium salt	532-32-1	TWA (Inhalable particulate matter)	2.5 mg/m3	ACGIH

Engineering measures : Use only with adequate ventilation.
If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use explosion-proof ventilating equipment.

Personal protective equipment

Respiratory protection : NIOSH approved, air-purifying particulate respirator with N-95 filters.

Hand protection

Material : Nitrile rubber - NBR

Material : Polyvinyl chloride - PVC

Remarks : After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear suitable protective clothing and gloves.

Hygiene measures : When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Remove contaminated clothing and protective equipment before entering eating areas.
Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets

Physical state : solid

Color : white

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Odor	:	odorless
Odor Threshold	:	No data available
pH	:	8 Concentration: 10 %
Melting point/range	:	817 °F / 436 °C
Boiling point/boiling range	:	Decomposition at boiling point.
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form combustible dust concentrations in air.
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	negligible
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	1.5 g/cm ³ (68 °F / 20 °C)
Solubility(ies)	:	
Water solubility	:	556 g/l
Partition coefficient: n-octanol/water	:	log Pow: 1.88 Test results on an analogous product
Ignition temperature	:	No data available
Decomposition temperature	:	842 - 887 °F / 450 - 475 °C
Viscosity	:	
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive

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Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Surface tension	:	72.9 mN/m, 1 g/l, 68 °F / 20 °C
Dust explosion class	:	St1
Particle size	:	1,380 µm

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Avoid dust accumulation in enclosed space. Exposure to moisture.
Incompatible materials	:	Oxidizing agents Acids Iron
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Skin contact
Eye contact
Inhalation
Ingestion

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: 2,515 mg/kg Method: Calculation method
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Components:**Benzoic acid, sodium salt:**

Acute oral toxicity	:	LD50 (Rat, male and female): > 2,000 mg/kg Method: Expert judgment
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 12.2 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Fixed Dose Method GLP: no Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Test results on an analogous product
Acute dermal toxicity	:	LD50 (Rabbit, male and female): > 2,000 mg/kg Method: Fixed Dose Method GLP: no Assessment: The substance or mixture has no acute dermal toxicity Remarks: Dosage caused no mortality Test results on an analogous product

Skin corrosion/irritation

Not classified based on available information.

Components:**Benzoic acid, sodium salt:**

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
GLP	:	yes

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:**Benzoic acid, sodium salt:**

Species	:	Rabbit
Result	:	irritating
Method	:	OECD Test Guideline 405
GLP	:	yes

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Respiratory or skin sensitization**Skin sensitization**

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:**Benzoic acid, sodium salt:**

Test Type	:	Local lymph node assay (LLNA)
Routes of exposure	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	Did not cause sensitization on laboratory animals.
Remarks	:	Test results on an analogous product

Germ cell mutagenicity

Not classified based on available information.

Components:**Benzoic acid, sodium salt:**

Genotoxicity in vitro	:	Test Type: Ames test
		Test system: Salmonella typhimurium
		Metabolic activation: with and without metabolic activation
		Method: OECD Test Guideline 471
		Result: negative

Test Type: Ames test
Test system: Escherichia coli
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster cells
Metabolic activation: without metabolic activation
Method: OECD Test Guideline 473
Result: positive
GLP: No information available.

Test Type: sister chromatid exchange assay
Test system: Human lymphocytes
Metabolic activation: without metabolic activation
Method: OECD Test Guideline 479
Result: positive
GLP: No information available.

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Test Type: Micronucleus test
Test system: Human lymphocytes
Metabolic activation: without metabolic activation
Method: OECD Test Guideline 487
Result: positive
GLP: No information available.

Genotoxicity in vivo : Test Type: Chromosomal aberration assay
Species: Rat (male)
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 475
Result: negative
GLP: no

Test Type: dominant lethal test
Species: Rat (male and female)
Application Route: Oral
Method: OECD Test Guideline 478
Result: negative
GLP: no

Carcinogenicity

Not classified based on available information.

Components:**Benzoic acid, sodium salt:**

Species : Rat, male and female
Application Route : Oral
Exposure time : 18 - 24 month(s)
Dose : 10000 - 20000 parts per million
NOAEL : $\geq 20,000$ ppm
Result : negative

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

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Components:**Benzoic acid, sodium salt:**

Effects on fertility : Test Type: Multi-generation study
Species: Rat, male and female
Application Route: Oral
Dose: 5000 - 10000 parts per million
Duration of Single Treatment: 11 - 12 Weeks
General Toxicity Parent: NOAEL: \geq 10,000 ppm
General Toxicity F1: NOAEL: \geq 10,000 ppm
Fertility: NOAEL: \geq 10,000 ppm
Early Embryonic Development: NOAEL: \geq 10,000 ppm
Method: OECD Test Guideline 416
Result: No effects on fertility and early embryonic development were detected.
GLP: no
Remarks: Test results on an analogous product

Effects on fetal development : Test Type: Pre-natal
Species: Rat, female
Application Route: Oral
Dose: 0 - 1 - 2 - 4 - 8 % in diet
General Toxicity Maternal: NOAEL: 1,306 mg/kg bw/day
Developmental Toxicity: NOAEL: 1,306 mg/kg bw/day
Method: OECD Test Guideline 414
Result: Embryotoxic effects and adverse effects on the offspring were detected only at high maternally toxic doses

Test Type: Pre-natal
Species: Rat, female
Application Route: Oral
Dose: 1,75 - 8 - 38 - 175 milligram per kilogram
General Toxicity Maternal: NOAEL: \geq 175 mg/kg bw/day
Teratogenicity: NOAEL: \geq 175 mg/kg bw/day
Developmental Toxicity: NOAEL: \geq 175 mg/kg bw/day
Result: Did not show teratogenic effects in animal experiments.

Test Type: Pre-natal
Species: Rabbit, female
Application Route: Oral
Dose: 2,5 - 12 - 54 - 250 milligram per kilogram
General Toxicity Maternal: NOAEL: \geq 250 mg/kg bw/day
Teratogenicity: NOAEL: \geq 250 mg/kg bw/day
Developmental Toxicity: NOAEL: \geq 250 mg/kg bw/day
Result: Did not show teratogenic effects in animal experiments.

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STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity**Components:****Benzoic acid, sodium salt:**

Species : Rat, male and female
 NOAEL : ≥ 20000 ppm
 Application Route : Oral
 Exposure time : 18 - 24 Months
 Number of exposures : 7 days/week
 Dose : 10000 - 20000 parts per million
 Method : No information available.
 GLP : no
 Remarks : Chronic toxicity

Species : Rat, male and female
 NOAEC : 250 mg/m^3
 Application Route : Inhalation
 Test atmosphere : dust/mist
 Exposure time : 4 Weeks
 Number of exposures : 6 hours/day, 5 days/week
 Dose : 25 - 250 - 1200 mg/m^3
 Method : OECD Test Guideline 412
 GLP : yes
 Target Organs : Systemic toxicity
 Remarks : Subacute toxicity
 Test results on an analogous product

Species : Rat, male and female
 LOAEC : 25 mg/m^3
 Application Route : Inhalation
 Test atmosphere : dust/mist
 Exposure time : 4 Weeks
 Number of exposures : 6 hours/day, 5 days/week
 Dose : 25 - 250 - 1200 mg/m^3
 Method : OECD Test Guideline 412
 GLP : yes
 Target Organs : respiratory tract irritation
 Remarks : Subacute toxicity
 Test results on an analogous product

Species : Rabbit, male and female
 NOAEL : $> 2500 \text{ mg/kg}$
 Application Route : Dermal

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Exposure time : 3 Weeks
Number of exposures : 5 hours/day, 5 days/week
Dose : 100 - 500 - 2500 mg/kg bw/day
Remarks : Subacute toxicity
Test results on an analogous product

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Benzoic acid, sodium salt:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 484 mg/l
End point: mortality
Exposure time: 96 h
Test Type: flow-through test
Analytical monitoring: yes
Method: EPA OPP 72-1 (Fish Acute Toxicity Test)
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: static test
Analytical monitoring: no
Remarks: nominal concentration

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (microalgae)): > 30.5 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

EC10 (Pseudokirchneriella subcapitata (microalgae)): 6.5 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

Toxicity to fish (Chronic tox- : NOEC (Danio rerio (zebra fish)): 10 mg/l

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icity) Exposure time: 6 d
Test Type: semi-static test
Analytical monitoring: No information available.

Persistence and degradability**Components:****Benzoic acid, sodium salt:**

Biodegradability : aerobic
Result: rapidly biodegradable
Biodegradation: 85 - 94 %
Exposure time: 28 d
Method: CO2 Evolution Test

anaerobic
Result: rapidly biodegradable
Biodegradation: 50 - 97 %
Exposure time: 60 d
Method: OECD Test Guideline 311

Bioaccumulative potential**Components:****Benzoic acid, sodium salt:**

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Partition coefficient: n-octanol/water : log Pow: 1.88
Remarks: Based on data from similar materials

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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Waste from residues : The generation of waste should be avoided or minimized wherever possible.
This material and its container must be disposed of in a safe way.
Empty containers retain product residue; observe all precautions for product.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Domestic regulation**49 CFR**

Not regulated as a dangerous good

Hazard and Handling Notes.

Not dangerous cargo

Irritating to the eyes.

Keep separated from foodstuffs

SECTION 15. REGULATORY INFORMATION**CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards

: Combustible dust
Serious eye damage or eye irritation

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SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations**Massachusetts Right To Know**

phenol	108-95-2	< 0.001
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Pennsylvania Right To Know

Benzoic acid, sodium salt	532-32-1	>= 99 - <= 100
benzoic acid	65-85-0	< 1
sodium hydroxide	1310-73-2	< 0.1

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

TSCA inventory

TSCA : All substances listed as active on the TSCA inventory

TSCA list

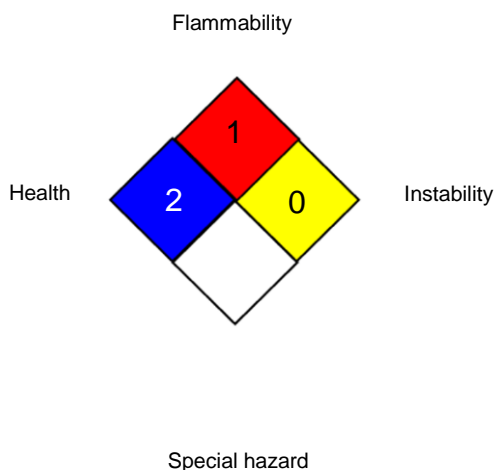
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION**Further information**

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NFPA 704:**HMIS® IV:**

HEALTH	/	2
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 ACGIH / TWA : 8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council

SAFETY DATA SHEET**KALAMA® SODIUM BENZOATE NF/FCC EDF**

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concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 01/04/2024

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered to be a guidance for processing and does not contain any warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.

Relevant changes from the previous version are marked on the left side of the Safety Data Sheet with a black double bar in appropriate places.