

SECTION 1: Identification

1.1. Identification

Product name : KC-262 Polyfoam
Product code : 20453

1.2. Recommended use

Use of the substance/mixture : Cleaning/washing agents and additives

1.3. Supplier

Safe Foods Chemical Innovations
1501 East 8th Street
North Little Rock, AR, 72114
T 501-758-8500 - F 501-663-8952

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Serious eye damage/eye irritation, Category 1	Causes serious eye damage.
Specific target organ toxicity — Repeated exposure, Category 1	Causes damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment — Acute Hazard, Category 3	Harmful to aquatic life.
Hazardous to the aquatic environment — Chronic Hazard, Category 3	Harmful to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : Causes serious eye damage
Causes damage to organs through prolonged or repeated exposure
Harmful to aquatic life
Harmful to aquatic life with long lasting effects

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Precautionary statements (GHS US) : Do not breathe dust, fume, gas, mist, vapors, spray.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
Get medical advice or attention if you feel unwell.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

92.45% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

91.15% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

Name	Product identifier	%
Dodecylbenzene sulfonic acid, sodium salt	CAS-No.: 25155-30-0	5 – 10
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol	CAS-No.: 112-34-5	1 – 5
Ethoxylated alcohols (C=9-11)	CAS-No.: 68439-46-3	1 – 5
Ethylenediaminetetraacetic acid tetrasodium salt ; Tetrasodium EDTA	CAS-No.: 64-02-8	0.5 – 2

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.
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.

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4.2. Most important symptoms and 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. 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".

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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 : Collect spillage. 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.

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 : 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 : Keep cool. Protect from sunlight.

Packaging materials : Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Name	USA - ACGIH - Occupational Exposure Limits	USA - OSHA - Occupational Exposure Limits	USA - NIOSH - Occupational Exposure Limits
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol (112-34-5)	TLV TWA: 10 ppm (Inhalable fraction and vapor)	-	-

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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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
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Blue clear
Odor	: Mild odor
Odor threshold	: No data available
pH	: $\geq 7 - \leq 9$
Melting point	: Not applicable
Freezing point	: -1.7 °C (29°F)
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 14.23 mm Hg
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.027 g/ml
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

VOC content : 0 %

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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 (Not applicable).

Name	LD50 Oral	LD50 Dermal	LC50 Inhalation	ATE (US)
Ethylenediaminetetraacetic acid tetrasodium salt ; Tetrasodium EDTA (64-02-8)	1700 – 1913 mg/kg, rat	-	-	Oral: 1700 mg/kg body weight
Ethoxylated alcohols (C=9-11) (68439-46-3)	> 1000 mg/kg, rat	> 2000 mg/kg body weight, rat 2000 mg/kg, rabbit	> 1.6 mg/l air, rat	Oral: 500 mg/kg body weight Dermal: 2000 mg/kg body weight
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol (112-34-5)	5660 mg/kg, rat 2410 – 5530 mg/kg body weight	2764 mg/kg body weight, rabbit	-	Oral: 2410 mg/kg body weight Dermal: 2764 mg/kg body weight
Dodecylbenzene sulfonic acid, sodium salt (25155-30-0)	1080 mg/kg body weight, rat	> 2000 mg/kg body weight, rat	0.31 mg/l, rat	Oral: 1080 mg/kg body weight Vapors: 0.31 mg/l/4h

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Name	LD50 Oral	LD50 Dermal	LC50 Inhalation	ATE (US)
				Dust, mist: 0.31 mg/l/4h

Skin corrosion/irritation : Not classified
pH: $\geq 7 - \leq 9$

Serious eye damage/irritation : Causes serious eye damage.
pH: $\geq 7 - \leq 9$

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 : Causes damage to organs through prolonged or repeated exposure.

Name	LOAEL	LOAEC	NOAEL	NOAEC
Ethylenediaminetetraacetic acid tetrasodium salt ; Tetrasodium EDTA (64-02-8)	Oral: 60 mg/kg body weight, rat, 90 days	Inhalation (dust/mist/fume): 0.015 mg/l air, rat, 90 days	Oral: 6 mg/kg body weight, rat, 90 days	-
Ethoxylated alcohols (C=9-11) (68439-46-3)	-	-	Oral: ≥ 500 mg/kg body weight, rat, 90 days	-
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol (112-34-5)	-	-	Oral: 250 mg/kg body weight, rat, 90 days Dermal: < 200 mg/kg body weight, rat/rabbit, 90 days	
Dodecylbenzene sulfonic acid, sodium salt (25155-30-0)	Oral: 200 mg/kg body weight, rat, 90 days Dermal: 286 mg/kg body weight, rat/rabbit, 90 days	-	Oral: 100 mg/kg body weight, rat, 90 days Dermal: < 286 mg/kg body weight, rat/rabbit, 90 days	-

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Name	Fish	Crustacea	Other Aquatic Organisms
Ethylenediaminetetraacetic acid tetrasodium salt ; Tetrasodium EDTA (64-02-8)	LC50 [1]: 41 mg/l NOEC (chronic): ≥ 25.7 mg/l	EC50 [1]: > 114 mg/l	EC50 72h Algae [1]: 100 mg/l LOEC (chronic): 50 mg/l

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Name	Fish	Crustacea	Other Aquatic Organisms
Ethoxylated alcohols (C=9-11) (68439-46-3)	LC50 [1]: 8.5 mg/l	EC50 [1]: 2.686 mg/l	EC50 96h Algae [1]: 1.4 mg/l
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol (112-34-5)	LC50 [1]: 1300 mg/l	EC50 [1]: > 100 mg/l	EC50 96h Algae [1]: > 100 mg/l ErC50 Algae: > 100 mg/l
Dodecylbenzene sulfonic acid, sodium salt (25155-30-0)	LC50 [1]: 3.2 – 5.6 mg/l	EC50 [1]: 6.3 mg/l	EC50 72h Algae [1]: 65.4 mg/l EC50 72h Algae [2]: 21 mg/l

12.2. Persistence and degradability

Name	Persistence and degradability
KC-262 Polyfoam	Not rapidly degradable
Ethylenediaminetetraacetic acid tetrasodium salt ; Tetrasodium EDTA (64-02-8)	Not rapidly degradable
Ethoxylated alcohols (C=9-11) (68439-46-3)	Biodegradability in water: no data available.
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol (112-34-5)	Readily biodegradable in water.
Dodecylbenzene sulfonic acid, sodium salt (25155-30-0)	Readily biodegradable in water.

12.3. Bioaccumulative potential

Name	Bioaccumulative Potential
Ethylenediaminetetraacetic acid tetrasodium salt ; Tetrasodium EDTA (64-02-8)	Partition coefficient n-octanol/water (Log Pow): -13.17
Ethoxylated alcohols (C=9-11) (68439-46-3)	No bioaccumulation data available.
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol (112-34-5)	Low potential for bioaccumulation (Log Kow < 4).
Dodecylbenzene sulfonic acid, sodium salt (25155-30-0)	Low potential for bioaccumulation (BCF < 500).

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12.4. Mobility in soil

Name	Soil Ecology
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol (112-34-5)	Highly mobile in soil.
Dodecylbenzene sulfonic acid, sodium salt (25155-30-0)	Low potential for mobility in soil.

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 / TDG / IMDG / IATA

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

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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
Ethylenediaminetetraacetic acid tetrasodium salt ; Tetrasodium EDTA	64-02-8	Present	Active	
Ethoxylated alcohols (C=9-11)	68439-46-3	Present	Active	XU
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol	112-34-5	Present	Active	
Dodecylbenzene sulfonic acid, sodium salt	25155-30-0	Present	Active	

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Dodecylbenzene sulfonic acid, sodium salt (25155-30-0)

CERCLA RQ	1000 lb
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15.2. International regulations

Name	Inventory
Ethylenediaminetetraacetic acid tetrasodium salt ; Tetrasodium EDTA (64-02-8)	Listed on the Canadian DSL (Domestic Substances List) Listed on INSQ (Mexican National Inventory of Chemical Substances)
Ethoxylated alcohols (C=9-11) (68439-46-3)	Listed on the Canadian DSL (Domestic Substances List) Listed on INSQ (Mexican National Inventory of Chemical Substances)
Diethylene glycol monobutyl ether ; 2-(2-Butoxyethoxy)ethanol, Butyl Carbitol (112-34-5)	Listed on the Canadian DSL (Domestic Substances List) Listed on INSQ (Mexican National Inventory of Chemical Substances)
Dodecylbenzene sulfonic acid, sodium salt (25155-30-0)	Listed on the Canadian DSL (Domestic Substances List) 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

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SECTION 16: Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

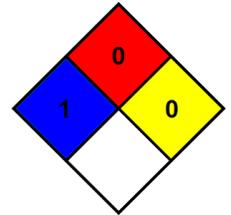
Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : B - Safety glasses, Gloves



Safety Data Sheet (SDS), USA - SFCI

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.