

# SAFETY DATA SHEET

## SURCHEM 404



Version	Revision Date:	SDS Number:	Date of last issue: 07/10/2023
6.0	03/31/2025	203000018227	Country / Language: US / EN

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### SECTION 1. IDENTIFICATION

Product name : SURCHEM 404

Product code : 000000000058324942

#### 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

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization : Category 1

Reproductive toxicity : Category 2

#### GHS label elements

Hazard pictograms : 

Signal Word : Warning

Hazard Statements : May cause an allergic skin reaction.  
Suspected of damaging the unborn child.

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### Precautionary Statements

#### Prevention:

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing mist or vapors.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

IF ON SKIN: Wash with plenty of soap and water.  
IF exposed or concerned: Get medical advice/ attention.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Wash contaminated clothing before reuse.

#### Storage:

Store locked up.

#### Disposal:

Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts	93820-55-4	>= 20 - < 30
Sulfonic acids, petroleum, barium salts	61790-48-5	>= 10 - < 20
2-methylpentane-2,4-diol	107-41-5	>= 1 - < 5
barium carbonate	513-77-9	>= 1 - < 5

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

## SECTION 4. FIRST AID MEASURES

If inhaled : Get medical attention immediately.  
Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If unconscious, place in recovery position and get medical attention immediately.

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Maintain open airway.  
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

- In case of skin contact : Wash off with soap and water.  
Remove contaminated clothing and shoes.  
Continue to rinse for at least 20 minutes.  
Get medical attention if symptoms occur.  
Wash contaminated clothing before reuse.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Get medical attention if symptoms appear.
- If swallowed : Rinse mouth with water.  
Do not induce vomiting unless directed to do by medical personnel.  
Get medical attention if symptoms occur.

### Most important symptoms and effects, both acute and delayed

- Symptoms : Skin: Causes irritation with symptoms of reddening, itching, and swelling.  
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  
May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.  
Adverse symptoms sometimes include the following:  
Effects on fetal development.
- Effects : May cause an allergic skin reaction.  
Suspected of damaging the unborn child.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

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## 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

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Hazardous combustion products	:	Carbon dioxide (CO <sub>2</sub> ) 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.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

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### 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. Evacuate unnecessary personnel. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Put on appropriate personal protection equipment. Do not breathe vapors, aerosols.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
Methods and materials for containment and cleaning up	:	Stop leak if safe to do so. Move containers from spill area. Wash spillages into an effluent treatment plant or proceed as follows. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Dispose of wastes in an approved waste disposal facility. Do not allow into the sewerage system, surface waters or groundwater or into the soil. Contaminated absorbent material may pose the same hazard as the spilled product.

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### SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking.
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Put on appropriate personal protection equipment.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.  
Persons with a history of skin sensitization to this product should not be employed in any process in which this product is used.  
Avoid inhalation, ingestion and contact with skin and eyes.  
Use only with adequate ventilation/personal protection.  
Avoid exposure during pregnancy.

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.  
Keep containers sealed until ready for use.  
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 conditions : Incompatible with oxidizing agents.

Further information on storage stability : No decomposition if stored and applied as directed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
2-methylpentane-2,4-diol	107-41-5	TWA (Vapor)	25 ppm	ACGIH
		STEL (Vapor)	50 ppm	ACGIH
		STEL (Inhalable fraction, Aerosol only)	10 mg/m3	ACGIH
barium carbonate	513-77-9	TWA	0.5 mg/m3 (Barium)	OSHA Z-1
		TWA	0.5 mg/m3	ACGIH

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			(Barium)	
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**Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.  
If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal protective equipment

**Respiratory protection** : No personal respiratory protective equipment normally required.  
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
NIOSH approved, air-purifying organic vapor respirator.

### Hand protection

**Remarks** : Impervious gloves

**Eye protection** : Safety glasses with side-shields

**Skin and body protection** : Wear suitable protective clothing.  
Chemical resistant apron  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.  
Appropriate techniques should be used to remove potentially contaminated clothing.  
Wash contaminated clothing before reusing.  
Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : viscous liquid

**Physical state** : liquid

**Color** : dark brown

**Odor** : mild, hydrocarbon-like

**Odor Threshold** : No data available

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pH : Not applicable substance/mixture is non-soluble (in water)

Melting point/ range : Not applicable

Boiling point/boiling range : No data available

Flash point : > 356 °F / > 180 °C

Method: open cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Self-ignition : No data available

Burning number : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : 1 (77 °F / 25 °C)

Density : 1.20 g/cm<sup>3</sup> (59.9 °F / 15.5 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : Soluble  
Solvent: Hydrocarbons

Partition coefficient: n-octanol/water : log Pow: > 6

Ignition temperature : No data available

Decomposition temperature : No data available

Self-Accelerating decomposition temperature (SADT) : No data available

Viscosity

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Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	110 mm <sup>2</sup> /s (212 °F / 100 °C)
Explosive properties	:	No data available
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Dust explosion class	:	No data available
Metal corrosion rate	:	Not corrosive to metals.

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Exposure to moisture.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Skin Absorption

#### Acute toxicity

Not classified due to lack of data.

#### Product:

Acute oral toxicity	:	LD50 (Rat, male and female): > 2,000 Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral toxicity
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Remarks: No mortality observed at this dose.

### Components:

#### **Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts:**

Acute oral toxicity	:	LD50 Oral (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: Yes
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 1.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OPP 81-3 Acute Inhalation Toxicity GLP: Yes Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Dosage caused no mortality
Acute dermal toxicity	:	LD50 Dermal (Rabbit, male and female): > 5,000 mg/kg GLP: Yes

#### **Sulfonic acids, petroleum, barium salts:**

Acute oral toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: Yes
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 1.9 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OPP 81-3 Acute Inhalation Toxicity GLP: Yes Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Dosage caused no mortality
Acute dermal toxicity	:	LD50 (Rabbit, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402 GLP: Yes

#### **2-methylpentane-2,4-diol:**

Acute oral toxicity	:	LD50 (Rat): 3,700 mg/kg
Acute dermal toxicity	:	LD50 (Rabbit): 13,000 mg/kg

#### **barium carbonate:**

Acute oral toxicity	:	LD50 (Rat): 418 mg/kg
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### Skin corrosion/irritation

Not classified due to lack of data.

#### Product:

Method	:	OECD Test Guideline 431
Result	:	Not corrosive

#### Components:

##### **Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts:**

Species	:	Rabbit
Method	:	OPPTS 870.2500
Result	:	No skin irritation
GLP	:	Yes

##### **Sulfonic acids, petroleum, barium salts:**

Species	:	Rabbit
Exposure time	:	4 h
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
GLP	:	Yes

##### **2-methylpentane-2,4-diol:**

Species	:	Rabbit
Result	:	Skin irritation

### Serious eye damage/eye irritation

Not classified due to lack of data.

#### Components:

##### **Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts:**

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OPPTS 870.2400
GLP	:	Yes

##### **Sulfonic acids, petroleum, barium salts:**

Species	:	Rabbit
Result	:	No eye irritation
Exposure time	:	72 h
Method	:	OECD Test Guideline 405
GLP	:	Yes

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### 2-methylpentane-2,4-diol:

Species	:	Rabbit
Result	:	Eye irritation

### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified due to lack of data.

### Components:

#### Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts:

Test Type	:	Buehler Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Assessment	:	The product is a skin sensitiser, sub-category 1B.
Method	:	OECD Test Guideline 406
Result	:	Skin sensitizers
GLP	:	Yes

#### Sulfonic acids, petroleum, barium salts:

Test Type	:	Buehler Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Assessment	:	The product is a skin sensitiser, sub-category 1B.
Method	:	OECD Test Guideline 406
GLP	:	Yes

### 2-methylpentane-2,4-diol:

Routes of exposure	:	Skin contact
Species	:	Guinea pig
Result	:	Did not cause sensitization on laboratory animals.

### Germ cell mutagenicity

Not classified due to lack of data.

### Components:

#### Sulfonic acids, petroleum, barium salts:

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

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GLP: Yes

Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: Yes

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Cell type: Bone marrow  
Application Route: Intraperitoneal  
Method: OECD Test Guideline 474  
Result: negative  
GLP: Yes

### 2-methylpentane-2,4-diol:

Genotoxicity in vitro : Test Type: Ames test  
Test system: Bacteria  
Metabolic activation: with and without metabolic activation  
Result: negative

### Carcinogenicity

Not classified due to lack of data.

**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

Suspected of damaging the unborn child.

### Components:

#### Sulfonic acids, petroleum, barium salts:

Effects on fertility : Test Type: Fertility  
Species: Rat, male and female  
Application Route: Oral  
Dose: 0 - 50 - 167 - 500 milligram per kilogram  
General Toxicity Parent: NOAEL: > 500 mg/kg body weight  
Early Embryonic Development: NOAEL: > 500 mg/kg body weight  
Method: OECD Test Guideline 415

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Result: negative  
GLP: Yes

### 2-methylpentane-2,4-diol:

Effects on fertility : Species: Rat, male  
Application Route: Oral  
Dose: 190 milligram per kilogram  
Result: Some evidence of adverse effects on development, based on animal experiments.

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

### STOT-single exposure

Not classified due to lack of data.

### Components:

#### 2-methylpentane-2,4-diol:

Assessment : May cause drowsiness or dizziness.

### STOT-repeated exposure

Not classified due to lack of data.

### Repeated dose toxicity

### Components:

#### Sulfonic acids, petroleum, barium salts:

Species : Rat, male and female  
NOAEL : 500 mg/kg  
Application Route : Oral  
Exposure time : 28 d  
Number of exposures : daily  
Dose : 0 - 500 - 1000 mg/kg bw/day  
Method : OECD Test Guideline 407  
GLP : Yes  
Remarks : Subchronic toxicity

Species : Rat, male and female  
NOAEL : 50 mg/m<sup>3</sup>  
Application Route : inhalation (vapor)  
Exposure time : 28 d  
Number of exposures : 6 hours/day, 5 days/week  
Dose : 0 - 50 - 150 - 250 mg/m<sup>3</sup>  
Method : OECD Test Guideline 412  
GLP : Yes  
Remarks : Subacute toxicity

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Species : Rat, male and female  
NOAEL : > 1,000 mg/kg  
Application Route : Dermal  
Exposure time : 28 d  
Number of exposures : daily  
Dose : 0- 100 - 300 - 1000 mg/kg bw/day  
Method : OECD Test Guideline 410  
GLP : Yes  
Remarks : Subacute toxicity

### 2-methylpentane-2,4-diol:

Species : Rat  
NOAEL : 590 mg/kg  
Application Route : Oral  
Exposure time : 0.5 yr  
Number of exposures : daily  
Remarks : Subchronic toxicity

### Aspiration toxicity

Not classified due to lack of data.

### Further information

#### Product:

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts:**

Toxicity to fish : LC50 (Fish): 1,000 mg/l  
Exposure time: 96 h  
Remarks: Fresh water  
Aquatic toxicity is unlikely due to low solubility.

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1,000 mg/l  
aquatic invertebrates : Exposure time: 48 h  
Remarks: Fresh water  
Aquatic toxicity is unlikely due to low solubility.

Toxicity to algae/aquatic : EC50 (algae): 1,000 mg/l  
plants : Exposure time: 96 h  
Remarks: Fresh water

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Aquatic toxicity is unlikely due to low solubility.

### Sulfonic acids, petroleum, barium salts:

- Toxicity to fish : LL50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l  
Exposure time: 96 h  
Analytical monitoring: Yes  
Method: OECD Test Guideline 203  
GLP: Yes  
Remarks: salt water  
nominal concentration  
water extractable fraction
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OPPTS 797.1300  
GLP: Yes  
Remarks: Fresh water  
nominal concentration  
water extractable fraction
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (microalgae)): > 1,000 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)  
GLP: Yes  
Remarks: Fresh water  
nominal concentration  
water extractable fraction
- NOEC (Pseudokirchneriella subcapitata (green algae)): 1,000 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Analytical monitoring: Yes  
Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)  
GLP: Yes  
Remarks: Fresh water  
nominal concentration  
water extractable fraction
- Toxicity to microorganisms : EC50 (activated sludge): > 10,000 mg/l  
End point: Respiration inhibition

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Exposure time: 3 h  
Analytical monitoring: No  
Method: OECD Test Guideline 209  
GLP: Yes  
Remarks: Fresh water  
nominal concentration

### **2-methylpentane-2,4-diol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,700 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates Exposure time: 48 h

### **barium carbonate:**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 870 mg/l  
Exposure time: 48 h

## **Persistence and degradability**

### **Components:**

#### **Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts:**

Biodegradability : Result: Not readily biodegradable.

#### **Sulfonic acids, petroleum, barium salts:**

Biodegradability : aerobic  
Inoculum: activated sludge  
Concentration: 2 mg/l  
Result: Not readily biodegradable.  
Biodegradation: 8 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D  
GLP: Yes

### **barium carbonate:**

Biodegradability : Result: The methods for determining the biological degradability are not applicable to inorganic substances.

## **Bioaccumulative potential**

### **Components:**

#### **2-methylpentane-2,4-diol:**

Partition coefficient: n- : log Pow: 0.58  
octanol/water Method: Calculated value



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### Mobility in soil

No data available

### Other adverse effects

No data available

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## 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)

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.

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## 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

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Keep separated from foodstuffs

### SECTION 15. REGULATORY INFORMATION

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA 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** : Respiratory or skin sensitization  
Reproductive toxicity

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts	93820-55-4	>= 20 - < 30 %
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Sulfonic acids, petroleum, barium salts	61790-48-5	>= 10 - < 20 %
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Benzenesulfonic acid, mono-C16-24-alkyl derivs., barium salts, overbased	70024-68-9	>= 10 - < 20 %
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barium carbonate	513-77-9	>= 1 - < 5 %
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#### US State Regulations

##### Massachusetts Right To Know

2-methylpentane-2,4-diol	107-41-5
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##### Pennsylvania Right To Know

Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0
Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts	93820-55-4
Sulfonic acids, petroleum, barium salts	61790-48-5
Benzenesulfonic acid, mono-C16-24-alkyl derivs., barium salts, overbased	70024-68-9

# SAFETY DATA SHEET

## SURCHEM 404



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2-methylpentane-2,4-diol  
barium carbonate

107-41-5  
513-77-9

### 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

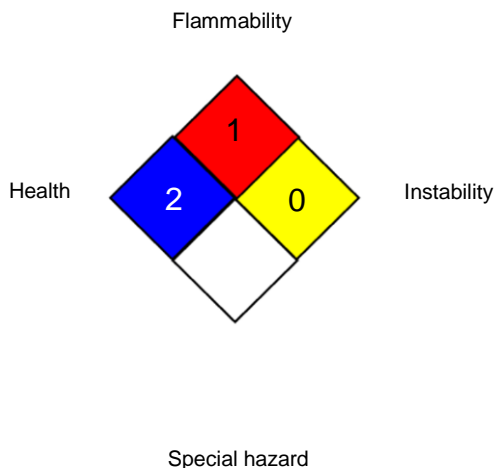
No substances are subject to a Significant New Use Rule.

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

## SECTION 16. OTHER INFORMATION

### Further information

#### 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)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
OSHA Z-1 / TWA	:	8-hour time weighted average

# SAFETY DATA SHEET

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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 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 : 03/31/2025

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.