



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: SURCHEM 404

Product Use Description: Additive

Company: Chemtura Corporation
199 Benson Road
Middlebury, CT
06749
United States of America

Telephone: (US) +1 866-430-2775

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
:
Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by Product Safety Department
(US) +1 866-430-2775

MSDSRequest@chemtura.com

Recommended use of the chemical and restrictions on use

Recommended use : Additive

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

Form	viscous liquid
Colour	brown
Odour	mild hydrocarbon-like

GHS Classification

Skin sensitisation : Category 1

GHS Label element

Signal word : **Warning**



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

Hazard pictograms

:



Hazard statements

: H317 May cause an allergic skin reaction.

Other hazards

: None

Precautionary statements

: **Prevention:**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity:

IARC

No component 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 identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

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

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

Chemical Name	CAS-No.	Concentration (%)
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 30 - < 50 %
Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts	93820-55-4	>= 30 - < 50 %
Sulfonic acids, petroleum, barium salts	61790-48-5	>= 20 - < 30 %
Benzenesulfonic acid, C10-60-alkyl derivs., barium salts	93028-28-5	>= 5 - < 10 %
barium carbonate	513-77-9	>= 1 - < 5 %

SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.
Obtain medical attention.
Aspiration may cause pulmonary oedema and pneumonitis.
- In case of skin contact : Wash off with warm water and soap.
Remove contaminated clothing and shoes.
If symptoms persist, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.
If symptoms persist, call a physician.
- If swallowed : Obtain medical attention.
Do NOT induce vomiting.
Rinse mouth with water.
- Most important symptoms and effects, both acute and delayed : Sensitisation
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Carbon dioxide (CO₂)
Foam
Water mist
- Unsuitable extinguishing media : Water spray jet
- Specific hazards during firefighting : Burning produces noxious and toxic fumes.
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Prevent fire extinguishing water from contaminating surface water or the ground water system.



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Remove all sources of ignition.

Environmental precautions : Product has very low solubility in water.
Prevent leaks and prevent soil / water pollution caused by leaks.

Methods and materials for containment and cleaning up : Clean-up methods - small spillage Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.
Clean-up methods - large spillage Dam up. Large spills should be collected mechanically (remove by pumping) for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin, eyes and clothing.
Avoid inhalation of vapour or mist.
Use with adequate ventilation.
Ensure all equipment is electrically grounded before beginning transfer operations.
Wash thoroughly after handling.

Conditions for safe storage : Keep in a dry, cool place.
Keep container tightly closed.

Materials to avoid : Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
barium carbonate	513-77-9	TWA	0.5 mg/m3	OSHA Z-1
		TWA	0.5 mg/m3	ACGIH
		TWA	0.5 mg/m3	OSHA P0
		TWA	0.5 mg/m3	NIOSH REL

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Respirator with combination filter for vapour/particulate (EN 141).

Hand protection
Remarks : Neoprene gloves

Eye protection : Safety glasses with side-shields

Skin and body protection : impervious clothing

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : viscous liquid

Color : brown

Odor : mild hydrocarbon-like

Odour Threshold : No data available

:
Not applicable

Boiling point/boiling range : No data available

Evaporation rate : No data available

Flash point : > 180 °C
Method: open cup

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : > 1 (25 °C)

Solubility(ies)

Water solubility : insoluble



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

Solubility in other solvents : soluble
Solvent: Hydrocarbons

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

No data available

Auto-ignition temperature : No data available

Viscosity

Viscosity, kinematic : > 30 mm²/s (40 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.

Conditions to avoid : Exposure to moisture.
Contamination

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products :
Carbon oxides
Metal oxides
Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : Acute toxicity estimate: 3,129 mg/kg
Method: Calculation method

Acute inhalation toxicity (Product) : Acute toxicity estimate: > 40 mg/l
Exposure time: 4 h
Method: Calculation method

Sensitisation
Benzenesulfonic acid, di-C10-18-alkyl derivs., barium salts (Component) : Classification: May cause sensitisation by skin contact.



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

Sulfonic acids, petroleum, barium salts (Component) : Classification: May cause sensitisation by skin contact.

Aspiration toxicity (Product) : No aspiration toxicity classification

Further information (Product) : No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish (Product) : Remarks:
No data available

Toxicity to daphnia and other aquatic invertebrates (Product) : Remarks:
No data available

Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:
No data available

Mobility (Product) : Remarks:
No data available

Biodegradability (Product) : Result: No data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment (Product)

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information (Product) : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : In accordance with local and national regulations.



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

SECTION 14. TRANSPORT INFORMATION

ADR

Not dangerous goods

RID

Not dangerous goods

MERCOSUR

Not dangerous goods

DOT

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

Additional advice: Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:
Benzenesulfonic acid, di- 93820-55-4
C10-18-alkyl derivs., barium
salts
Sulfonic acids, petroleum, 61790-48-5
barium salts



SAFETY DATA SHEET

SURCHEM 404

Version: 1.0

Revision Date: 03/31/2015

Print Date: 04/21/2015

Benzenesulfonic acid, C10- 93028-28-5
60-alkyl derivs., barium salts
barium carbonate 513-77-9

California Prop 65

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

The components of this product are reported in the following inventories:

US.TSCA

On TSCA Inventory

DSL

All components of this product are on the Canadian DSL.

AICS

On the inventory, or in compliance with the inventory

NZIoC

On the inventory, or in compliance with the inventory

ENCS

On the inventory, or in compliance with the inventory

KECI

On the inventory, or in compliance with the inventory

PICCS

On the inventory, or in compliance with the inventory

IECSC

On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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 a 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.