# **CALCINATE C-70**



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#### **SECTION 1. IDENTIFICATION**

Product name : CALCINATE C-70

Product code : 00000000062635749

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 : Lubricants and lubricant additives

Lubricants, greases, release products

## **SECTION 2. HAZARDS IDENTIFICATION**

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

Skin sensitization : Category 1

**GHS** label elements

Hazard pictograms :

**(!)** 

Signal Word : Warning

Hazard Statements : May cause an allergic skin reaction.

Precautionary Statements : Prevention:

Avoid breathing mist or vapors.

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Contaminated work clothing must not be allowed out of the

workplace.

Wear protective gloves.

Response:

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

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

Wash contaminated clothing before reuse.

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)
Paraffin oils (petroleum), catalytic	64742-70-7	>= 20 - < 30
dewaxed heavy; Baseoil — unspeci-		
fied		
Distillates (petroleum), solvent-	64742-65-0	>= 20 - < 30
dewaxed heavy paraffinic		
Benzenesulfonic acid, C10-16-alkyl	68584-23-6	>= 10 - < 20
derivs., calcium salts		
Benzenesulfonic acid, mono-C16-24-	70024-69-0	>= 10 - < 20
alkyl derivs., calcium salts		
Calcium Petroleum Sulfonate	61789-86-4	>= 10 - < 20

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 com-

fortable for breathing.

If unconscious, place in recovery position and get medical

attention immediately. Maintain open airway.

If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained per-

sonnel.

In case of skin contact : Wash off with soap and water.

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> 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 per-

sonnel.

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 cough-

ing, sore throat and runny nose.

Effects : May cause an allergic skin reaction.

Notes to physician : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES** 

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or car-

bon dioxide.

Unsuitable extinguishing

media

: High volume water jet

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion prod-

ucts

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.

Special protective equipment :

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

ssary.

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#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec-:

tive equipment and emergency procedures No action shall be taken involving any personal risk or without

suitable training.

Put on appropriate personal protection equipment.

Do not touch or walk through spilled material.

Evacuate unnecessary personnel.

Keep unnecessary and unprotected personnel from entering.

Provide adequate ventilation. 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.

## **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Remove contaminated clothing and protective equipment be-

fore entering eating areas.

Workers should wash hands and face before eating, drinking

and smoking.

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.

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.

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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 contamina-

tion.

Empty containers retain residue and can be dangerous.

Do not reuse container.

Further information on stor-

age 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
Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified	64742-70-7	TWA (Mist)	5 mg/m3	OSHA Z-1
Distillates (petroleum), solvent- dewaxed heavy paraffinic	64742-65-0	TWA (Inhal- able particu- late matter)	5 mg/m3	ACGIH

Engineering measures : If user operations generate dust, fumes or mist, use ventila-

tion to keep exposure to airborne contaminants below the

exposure limit.

## Personal protective equipment

Respiratory protection : not required under normal use

In the case of vapor formation use a respirator with an ap-

proved filter.

In case of mist, spray or aerosol exposure wear suitable per-

sonal respiratory protection and protective suit.

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

Material : Nitrile rubber

Remarks : Impervious gloves Gloves should be discarded and replaced

if there is any indication of degradation or chemical break-

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through. Request information on glove permeation properties

from the glove supplier.

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

Physical state : liquid

Color : brown

Odor : hydrocarbon-like

Odor Threshold : No data available

pH : substance/mixture is non-soluble (in water)

Melting point/range : No data available

Boiling point/boiling range : 599 °F / 315 °C

Flash point : 428 °F / 220 °C

Method: Cleveland open cup

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Self-ignition : No data available

Upper explosion limit / Upper : No data available

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flammability limit

Lower explosion limit / Lower : No data available

flammability limit

: 0.0013 hPa (68 °F / 20 °C) Vapor pressure

Calculated value

: No data available Relative vapor density

Relative density No data available

0.98 g/cm3 (68 °F / 20 °C) Density

Solubility(ies)

Water solubility insoluble

Partition coefficient: n-

octanol/water

No data available

No data available Ignition temperature

Decomposition temperature No data available

Viscosity

Viscosity, kinematic No data available

Explosive properties No data available

Oxidizing properties No data available

### **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 reac-

tions

Under normal conditions of storage and use, hazardous reac-

tions will not occur.

Incompatible with acids.

Conditions to avoid Extremes of temperature and direct sunlight.

Incompatible materials Strong acids and oxidizing agents

Hazardous decomposition

products

No decomposition if stored normally.

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#### **SECTION 11. TOXICOLOGICAL INFORMATION**

### **Acute toxicity**

Not classified based on available information.

### **Components:**

## Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 401

GLP: yes

Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.53 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403 GLP: No information available.

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 402

GLP: yes

Remarks: Based on data from similar materials

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 401

GLP: yes

Remarks: Test results on an analogous product

Acute inhalation toxicity : LC50 (Rat): > 5.53 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

GLP: yes

Remarks: Test results on an analogous product

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 402

GLP: ves

Remarks: Test results on an analogous product

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

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Method: OECD Test Guideline 401 Remarks: Dosage caused no mortality

LD50 (Rat, male): > 16,000 mg/kg

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 inhala-

tion toxicity

Remarks: Dosage caused no mortality

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg

Method: 40 CFR, Section 163.81-5, Federal Register, August 22, 1978 as modified in accordance with the revised EPA

Pesticide Assessment Guidelines November 1982

GLP: yes

#### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 401 Remarks: Dosage caused no mortality

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

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Remarks: Dosage caused no mortality

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 402 Remarks: Dosage caused no mortality

**Calcium Petroleum Sulfonate:** 

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Remarks: No mortality observed at this dose.

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

Assessment: The substance or mixture has no acute inhala-

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tion toxicity

Remarks: Dosage caused no mortality

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Method: OECD Test Guideline 402 Remarks: Dosage caused no mortality

#### Skin corrosion/irritation

Not classified based on available information.

## **Components:**

## Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Species : Rabbit Exposure time : 24 h

Result : No skin irritation

GLP : yes

Remarks : Based on data from similar materials

## Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species : Rabbit
Method : Draize Test
Result : No skin irritation

GLP : yes

Remarks : Test results on an analogous product

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Species : Rabbit Exposure time : 4 h

Method : OECD Test Guideline 404

Result : No skin irritation

#### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

Species : Rabbit

Result : No skin irritation

## **Calcium Petroleum Sulfonate:**

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

## Serious eye damage/eye irritation

Not classified based on available information.

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## **Components:**

Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Species : Rabbit

Result : No eye irritation

GLP : yes

Remarks : Based on data from similar materials

Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species : Rabbit

Result : No eye irritation

Method : OECD Test Guideline 405

GLP : yes

Remarks : Test results on an analogous product

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Species : Rabbit

Result : No eye irritation

Method : OECD Test Guideline 405

GLP : yes

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

Species : Rabbit

Result : No eye irritation

**Calcium Petroleum Sulfonate:** 

Species : Rabbit

Result : No eye irritation

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

**Components:** 

Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Test Type : Buehler Test Routes of exposure : Skin contact Species : Guinea pig

Method : OECD Test Guideline 406

Result : Does not cause skin sensitization.

GLP : yes

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Remarks : Based on data from similar materials

## Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Test Type : Buehler Test Routes of exposure : Skin contact Species : Guinea pig

Method : OECD Test Guideline 406

Result : Did not cause sensitization on laboratory animals.

GLP : yes

Remarks : Test results on an analogous product

#### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Routes of exposure : Dermal Species : Guinea pig

Result : The product is a skin sensitiser, sub-category 1B.

Test Type : Buehler Test Routes of exposure : Skin contact Species : Guinea pig

Result : The product is a skin sensitiser, sub-category 1B.

#### Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

Test Type : Local lymph node assay (LLNA)

Routes of exposure : Dermal Species : Mouse

Method : OECD Test Guideline 429

Result : The product is a skin sensitiser, sub-category 1B.

#### **Calcium Petroleum Sulfonate:**

Routes of exposure : Dermal Species : Guinea pig

Result : The product is a skin sensitiser, sub-category 1B.

## Germ cell mutagenicity

Not classified based on available information.

## **Components:**

### Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Genotoxicity in vitro : Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with metabolic activation

Result: negative

GLP: No information available.

Remarks: Based on data from similar materials

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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

Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation

Result: negative

GLP: no

Remarks: Based on data from similar materials

Genotoxicity in vivo : Species: Mouse (male and female)

Cell type: Bone marrow

Application Route: Intraperitoneal Method: OECD Test Guideline 474

Result: negative

GLP: No information available.

Remarks: Based on data from similar materials

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Genotoxicity in vitro : Test Type: Ames test

Test system: TA98

Metabolic activation: with metabolic activation

Method: OECD Test Guideline 471

Result: negative

GLP: No information available.

Remarks: Test results on an analogous product

Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

GLP: no

Remarks: Test results on an analogous product

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

Remarks: Test results on an analogous product

Test Type: In vitro mammalian cell gene mutation test

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Test system: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: positive GLP: yes

Remarks: Test results on an analogous product

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: No information available.

Remarks: Test results on an analogous product

## Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Genotoxicity in vitro : 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

Remarks: Test results on an analogous product

Test Type: Ames test

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative GLP: yes

Remarks: Test results on an analogous product

Genotoxicity in vivo : Test Type: In vivo micronucleus test

Species: Mouse (male and female)

Cell type: Bone marrow Application Route: Oral

Result: negative

GLP: yes

## Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)

Test system: Bacteria

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Test Type: In vitro mammalian cell gene mutation test

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Test system: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

## **Calcium Petroleum Sulfonate:**

Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test)

Test system: Bacteria

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Remarks: Test results on an analogous product

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

Remarks: Test results on an analogous product

# Carcinogenicity

Not classified based on available information.

#### **Components:**

## Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Species : Mouse, female

Application Route : Dermal
Exposure time : 78 weeks
Frequency of Treatment : various
Result : negative

GLP : No information available.

Remarks : Based on data from similar materials

Carcinogenicity - Assess- : Classified based on DMSO extract content < 3% (Regulation

ment (EC) 1272/2008, Annex VI, Part 3, Note L)

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species : Mouse, female
Application Route : Dermal
Exposure time : 18 month(s)

Method : OECD Test Guideline 451

Result : negative

GLP : No information available.

Remarks : Test results on an analogous product

Species : Mouse, male Application Route : Dermal

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Exposure time : 24 month(s)

Method : OECD Test Guideline 453

Result : positive

GLP : No information available.

Remarks : Test results on an analogous product

Carcinogenicity - Assess-

ssess- : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Appey VI, Part 3, Note I.)

ment (EC) 1272/2008, Annex VI, Part 3, Note L)

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.

## **Components:**

#### Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Effects on fertility : Species: Rat, male and female

Application Route: Oral

Fertility: NOAEL: >= 1,000 mg/kg bw/day

Early Embryonic Development: NOAEL: >= 1,000 mg/kg

bw/day

Method: OECD Test Guideline 421

GLP: yes

Remarks: Based on data from similar materials

Effects on fetal development : Species: Rat, male and female

Application Route: Oral

General Toxicity Maternal: NOAEL: >= 5,000 mg/kg bw/day Developmental Toxicity: NOAEL: >= 5,000 mg/kg bw/day

GLP: No information available.

Remarks: Based on data from similar materials

# Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Effects on fertility : Test Type: Fertility/early embryonic development

Species: Rat, male and female

Application Route: Oral

Dose: 0 - 1000 milligram per kilogram

General Toxicity Parent: NOAEL: >= 1,000 mg/kg body weight

Fertility: NOAEL: >= 1,000 mg/kg body weight

Early Embryonic Development: NOAEL: >= 1,000 mg/kg body

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weight

Method: OECD Test Guideline 421

Result: Animal testing did not show any effects on fertility.

GLP: yes

Remarks: Test results on an analogous product

Effects on fetal development : Test Type: Embryo-fetal development

Species: Rat, female Application Route: Dermal

Dose: 0 - 125 - 500 milligram per kilogram

General Toxicity Maternal: NOAEL: >= 2,000 mg/kg body

weight

Teratogenicity: NOAEL: >= 2,000 mg/kg body weight

Developmental Toxicity: NOAEL: >= 2,000 mg/kg body weight Embryo-fetal toxicity.: NOAEL: >= 2,000 mg/kg body weight

Method: OECD Test Guideline 414

Result: negative

GLP: No information available.

Remarks: Test results on an analogous product

## Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Effects on fertility : Species: Rat, male and female

Application Route: Oral

**Duration of Single Treatment: 28 Days** 

General Toxicity Parent: NOAEL: >= 500 mg/kg body weight

Fertility: NOAEL: >= 500 mg/kg body weight

Method: OECD Test Guideline 415

GLP: yes

Remarks: Test results on an analogous product

## STOT-single exposure

Not classified based on available information.

**Product:** 

Assessment : The substance or mixture is not classified as specific target

organ toxicant, single exposure.

## **Components:**

Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Assessment : May cause respiratory irritation.

Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Assessment : May cause respiratory irritation.

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### STOT-repeated exposure

Not classified based on available information.

#### Repeated dose toxicity

### **Components:**

## Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Species : Rat, male
LOAEL : 125 mg/kg
Application Route : Oral
Exposure time : 13 Weeks
Number of exposures : 5 days/week

Dose : 0, 125, 500 mg/kg bw/day GLP : No information available.

Remarks : Based on data from similar materials

Species : Rat, male and female

NOAEL : >= 980 mg/m³
Application Route : Inhalation
Exposure time : 4 Weeks

Number of exposures : 6 hours/day, 5 days/week GLP : No information available.

Remarks : Based on data from similar materials

Species : Rat, male and female NOAEL : >= 2,000 mg/kg

Application Route : Dermal Exposure time : 13 Weeks Number of exposures : 5 days/week

Method : OECD Test Guideline 411 GLP : No information available.

Remarks : Based on data from similar materials

## Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Species : Rat, male LOAEL : 125 mg/kg Application Route : Oral Exposure time : 90 d

Number of exposures : 5 days/week

Dose : 0 - 125 - 500 mg/kg bw/d
Method : OECD Test Guideline 408
GLP : No information available.
Remarks : Subchronic toxicity

Test results on an analogous product

Species : Rat, male and female

NOAEC : >= 1 mg/l

Application Route : inhalation (dust/mist/fume)

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Exposure time : 20 d

Number of exposures : 6 hours/day Dose : 0 - 0.05 - 0.22

Method : OECD Test Guideline 412 GLP : No information available.

Remarks : Subacute toxicity

Test results on an analogous product

Species : Rat, male and female

NOAEL : >= 2000 mg/kg

Application Route : Skin contact

Exposure time : 90 d

Number of exposures : 5 days/week

Dose : 0 - 2000 mg/kg bw/d

Method : OECD Test Guideline 411

GLP : No information available.

Remarks : Subchronic toxicity

Test results on an analogous product

### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Species : Rat, male and female

NOAEL : 500 mg/kg
Application Route : Oral
Exposure time : 28 Days
Number of exposures : daily

Method : OECD Test Guideline 407

GLP : yes

Remarks : Test results on an analogous product

## **Aspiration toxicity**

Not classified based on available information.

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

#### **Components:**

#### Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil — unspecified:

Toxicity to daphnia and other : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l

aquatic invertebrates End point: Immobilization

Exposure time: 48 h Analytical monitoring: no GLP: No information available.

Remarks: Based on data from similar materials

(WAF)

Toxicity to algae/aquatic : EL50 (Pseudokirchneriella subcapitata (green algae)): > 100

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plants mg/l

End point: Growth rate Exposure time: 72 h

Method: OECD Test Guideline 203

GLP: yes

Remarks: (WAF)

NOELR (Pseudokirchneriella subcapitata (green algae)): >

100 mg/l

End point: Growth rate Exposure time: 72 h

Method: OECD Test Guideline 203

GLP: yes

Remarks: (WAF)

Toxicity to fish (Chronic tox-

icity)

NOELR (Oncorhynchus mykiss (rainbow trout)): >= 1,000 mg/l

End point: mortality Exposure time: 28 d

Method: calculated

GLP: no

Remarks: The value is calculated

Toxicity to daphnia and other :

aquatic invertebrates (Chron-

ic toxicity)

NOEL (Daphnia magna (Water flea)): 10 mg/l

End point: Reproduction Exposure time: 21 d

GLP: yes

Remarks: water extractable fraction

## Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l

Exposure time: 96 h Analytical monitoring: yes

Method: OECD Test Guideline 203

GLP: yes

Remarks: nominal concentration
Test results on an analogous product

water extractable fraction

Toxicity to daphnia and other :

aquatic invertebrates

EL50 (Daphnia magna (Water flea)): > 10,000 mg/l

Exposure time: 48 h Analytical monitoring: no

Method: OECD Test Guideline 202 GLP: No information available. Remarks: nominal concentration Test results on an analogous product

water extractable fraction

Toxicity to algae/aquatic

plants

EL50 (Pseudokirchneriella subcapitata (green algae)): > 100

mg/l

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Exposure time: 72 h
Analytical monitoring: no

Method: OECD Test Guideline 201 GLP: No information available. Remarks: nominal concentration Test results on an analogous product

water extractable fraction

NOELR (Pseudokirchneriella subcapitata (green algae)): >=

100 mg/l

Exposure time: 72 h Analytical monitoring: no

Method: OECD Test Guideline 201 GLP: No information available. Remarks: nominal concentration Test results on an analogous product

water extractable fraction

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic toxicity)

NOELR (Daphnia magna (Water flea)): 10 mg/l

End point: Reproduction Exposure time: 21 d Analytical monitoring: no

Method: OECD Test Guideline 211

GLP: yes

Remarks: nominal concentration
Test results on an analogous product

water extractable fraction

## Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Toxicity to fish : LL50 (Cyprinodon variegatus (sheepshead minnow)): >

10,000 mg/l

End point: mortality Exposure time: 96 h Analytical monitoring: yes

Method: OECD Test Guideline 203

GLP: yes

Remarks: water extractable fraction Test results on an analogous product

Toxicity to daphnia and other :

aquatic invertebrates

EL50 (Daphnia magna (Water flea)): > 1,000 mg/l

End point: Immobilization Exposure time: 48 h Analytical monitoring: yes Method: OPPTS 797.1300

GLP: yes

Remarks: water extractable fraction Test results on an analogous product

Toxicity to algae/aquatic : EL50 (Pseudokirchneriella subcapitata (green algae)): > 1,000

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plants mg/l

End point: Growth rate Exposure time: 96 h Analytical monitoring: yes

Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)

GLP: yes

Remarks: water extractable fraction Test results on an analogous product

NOAEL (No observed adverse effect level) (Pseudokirchneri-

ella subcapitata (green algae)): >= 1,000 mg/l

End point: Growth rate Exposure time: 96 h Analytical monitoring: yes

Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)

GLP: yes

Remarks: water extractable fraction Test results on an analogous product

Toxicity to microorganisms : EC50 (activated sludge): > 10,000 mg/l

End point: Respiration inhibition

Exposure time: 3 h

Method: OECD Test Guideline 209 Remarks: water extractable fraction

# Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

Toxicity to fish : LL50 (Cyprinodon variegatus (sheepshead minnow)): >

10,000 mg/l

End point: mortality Exposure time: 96 h

Method: OECD Test Guideline 203 Remarks: water extractable fraction

Toxicity to daphnia and other :

aquatic invertebrates

EL50 (Daphnia magna (Water flea)): > 1,000 mg/l

End point: Immobilization Exposure time: 48 h Method: OPPTS 797.1300

Remarks: water extractable fraction Test results on an analogous product

Toxicity to algae/aquatic

plants

EL50 (Pseudokirchneriella subcapitata (microalgae)): > 1,000

mg/l

End point: Growth rate Exposure time: 96 h

Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)

Remarks: water extractable fraction Test results on an analogous product

NOEC (Pseudokirchneriella subcapitata (microalgae)): 1,000

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mg/l

Exposure time: 96 h

Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)

Remarks: water extractable fraction Test results on an analogous product

Toxicity to microorganisms : EC50 (activated sludge): > 10,000 mg/l

End point: Respiration inhibition

Exposure time: 3 h

Method: OECD Test Guideline 209

**Calcium Petroleum Sulfonate:** 

Toxicity to fish : LL50 (Cyprinodon variegatus (sheepshead minnow)): >

10,000 mg/l

End point: mortality Exposure time: 96 h Test Type: static test

Method: OECD Test Guideline 203

GLP: yes

Remarks: water extractable fraction

Toxicity to daphnia and other :

aquatic invertebrates

EL50 (Daphnia magna (Water flea)): > 1,000 mg/l

End point: Immobilization Exposure time: 48 h Test Type: static test Method: OPPTS 797.1300

Remarks: water extractable fraction

Toxicity to algae/aquatic

plants

EL50 (Pseudokirchneriella subcapitata (green algae)): > 1,000

mg/l

End point: Growth rate Exposure time: 96 h

Method: OTS 797.1050 (Algal Toxicity, Tiers I and II) Remarks: Test results on an analogous product

water extractable fraction

NOEC (Pseudokirchneriella subcapitata (green algae)): 1,000

mg/l

End point: Growth rate Exposure time: 96 h

Method: OTS 797.1050 (Algal Toxicity, Tiers I and II)

Remarks: water extractable fraction Test results on an analogous product

Toxicity to microorganisms : EC50 (activated sludge): > 10,000 mg/l

End point: Respiration inhibition

Exposure time: 3 h

Method: OECD Test Guideline 209 Remarks: water extractable fraction

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### Persistence and degradability

## **Components:**

## Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Biodegradability : aerobic

Concentration: 44 mg/l

Result: Inherently biodegradable.

Biodegradation: 31 % Exposure time: 28 d

Method: OECD Test Guideline 301F

GLP: yes

Stability in water : Remarks: The product is insoluble and floats on water.

### Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts:

Biodegradability : aerobic

Inoculum: activated sludge Concentration: 2 mg/l

Result: Not readily biodegradable.

Biodegradation: 8.6 % Exposure time: 28 d

Method: OECD Test Guideline 301D

GLP: yes

Remarks: Test results on an analogous product

## Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts:

Biodegradability : aerobic

Inoculum: activated sludge Concentration: 2 mg/l

Result: Not readily biodegradable.

Biodegradation: 8.6 % Exposure time: 28 d

Method: OECD Test Guideline 301D

#### **Calcium Petroleum Sulfonate:**

Biodegradability : aerobic

Inoculum: activated sludge Concentration: 2 mg/l

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Result: Not readily biodegradable.

Biodegradation: 8.6 % Exposure time: 28 d

Method: OECD Test Guideline 301D

GLP: yes

Remarks: Test results on an analogous product

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### Bioaccumulative potential

### **Components:**

### Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Partition coefficient: n- : log Pow: > 3.90

octanol/water Method: Calculated value

## Mobility in soil

#### **Components:**

## Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Mobility : Remarks: The product is insoluble and floats on water.

Known distribution to environmental compartments

#### Other adverse effects

No data available

### **SECTION 13. DISPOSAL CONSIDERATIONS**

# **Disposal methods**

RCRA - Resource Conserva- : tion and Recovery Authoriza-

tion 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 classification.

fied 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 precau-

tions 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

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#### **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

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 : Respiratory or skin sensitization

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

Paraffin oils (petroleum), catalytic dewaxed heavy;	64742-70-7	20 - 30
Baseoil — unspecified		
Crystalline Quartz Silica	14808-60-7	< 0.001

## Pennsylvania Right To Know

Paraffin oils (petroleum), catalytic dewaxed heavy;	64742-70-7	20 - 30
Baseoil — unspecified	0.4740.05.0	00 00
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	20 - 30
Benzenesulfonic acid, C10-16-alkyl derivs., calci-	68584-23-6	10 - 20
um salts	00001200	10 20
Benzenesulfonic acid, mono-C16-24-alkyl derivs.,	70024-69-0	10 - 20
calcium salts		
Calcium Petroleum Sulfonate	61789-86-4	10 - 20
calcium carbonate	471-34-1	> 1

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### 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**

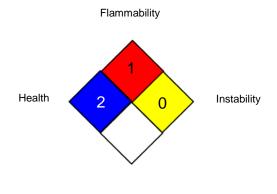
No substances are subject to a Significant New Use Rule.

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

#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

#### **NFPA 704:**



Special hazard

#### HMIS® IV:



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 Lim-

its for Air Contaminants

ACGIH / TWA : 8-hour, time-weighted average OSHA Z-1 / 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 In-

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stitute 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

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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.