

SAFETY DATA SHEET



G-2000-2

Version: 1.13

Revision Date: 09/04/2018

Print Date: 09/13/2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: G-2000-2

Product Use Description: Lubricant

Synonyms: Calcium Sulfonate grease

Company: LANXESS Solutions US Inc.
2 Armstrong Road
Shelton, Ct
06484
United States of America (USA)

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

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
:
: US : 800-292-5898 (Technical inquiries)

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

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

MSDSRequest@lanxess.com

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

Form	paste
Colour	brown
Odour	mild hydrocarbon-like

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

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Other hazards : None

Not a hazardous substance or mixture.

Self-ignitable : No data available

Carcinogenicity:

IARC

Group 1: Carcinogenic to humans

Residual oils (petroleum), 64742-01-4
solvent-refined

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

Known to be human carcinogen

Residual oils (petroleum), 64742-01-4
solvent-refined

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 50 - < 70 %
Residual oils (petroleum), solvent-refined	64742-01-4	>= 10 - < 20 %
calcium carbonate	471-34-1	>= 10 - < 20 %
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	>= 1 - < 5 %
calcium dodecylbenzenesulphonate	26264-06-2	>= 1 - < 3 %
Sulfonic acids, petroleum, calcium salts	61789-86-4	>= 1 - < 5 %
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	>= 1 - < 5 %

SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.
If breathing is difficult, give oxygen.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with warm water and soap.
If skin irritation persists, call a physician.
Cool skin rapidly with cold water after contact with molten material.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately.
- If swallowed : Do NOT induce vomiting.

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Obtain medical attention.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : irritant effects
Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : (on small fires)
Carbon dioxide (CO₂)
Dry chemical
Dry sand
Extinguishing media - large fires
Water mist
Foam

Unsuitable extinguishing media : Water spray jet

Specific hazards during firefighting : Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.

Specific extinguishing methods : Cool containers/tanks with water spray.

Special protective equipment for firefighters : Self-contained breathing apparatus with full face-piece operated in positive pressure mode.
Body covering protective clothing, full "turn-out" gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Ensure adequate ventilation.

Environmental precautions : Should not be released into the environment.
Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up : Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

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SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Wear suitable protective equipment.
Keep tightly closed.
Protect from contamination.

Conditions for safe storage : Keep tightly closed in a dry, cool and well-ventilated place.

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	5 mg/m3	OSHA Z-1
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
Residual oils (petroleum), solvent-refined	64742-01-4	PEL (particulate)	5 mg/m3	CAL PEL
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
calcium carbonate	471-34-1	PEL (Total dust)	10 mg/m3	CAL PEL
		PEL (respirable dust fraction)	5 mg/m3	CAL PEL
		TWA	5 mg/m3	NIOSH REL

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		(Respirable)		
		TWA (total)	10 mg/m ³	NIOSH REL

Engineering measures : Effective exhaust ventilation system
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection
Remarks : Neoprene gloves When handling hot material, use heat resistant gloves.

Eye protection : Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Use only with adequate ventilation.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : paste

Color : brown

Odor : mild hydrocarbon-like

Odour Threshold : No data available

pH : No data available

Drop point : 260 °C
Method: No information available.

Boiling point/boiling range : No data available

Evaporation rate : Not applicable

Flash point : > 180 °C
Method: open cup

Auto-flammability : No data available

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Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: < 0.0008 hPa (20 °C)
Relative vapour density	: Not applicable
Relative density	: 0.95 - 1.05 (25 °C)
Density	: 0.95 - 1.05 g/cm ³ (25 °C)
<u>Solubility(ies)</u>	
Water solubility	: negligible
Solubility in other solvents	: partly soluble Solvent: Organic solvents
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Molecular weight	: No data available

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	: Contamination Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Sulphur oxides Carbon oxides

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SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

calcium carbonate:

Acute oral toxicity : LD50 (Rat): 6,450 mg/kg

calcium dodecylbenzenesulphonate:

Acute oral toxicity : LD50 Oral (Rat): 1,300 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 4,199 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Sulfonic acids, petroleum, calcium salts:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): > 4,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Skin corrosion/irritation

Product:

Result: No skin irritation
Remarks: Information given is based on data obtained from similar substances.

Components:

calcium carbonate:

Species: Rabbit
Result: No skin irritation

calcium dodecylbenzenesulphonate:

Species: Rabbit
Exposure time: 4 h
Result: Skin irritation
Remarks: Information given is based on data obtained from similar substances.

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Serious eye damage/eye irritation

Product:

Result: No eye irritation

Remarks: Information given is based on data obtained from similar substances.

Components:

calcium carbonate:

Species: Rabbit

Result: No eye irritation

calcium dodecylbenzenesulphonate:

Species: Rabbit

Result: Risk of serious damage to eyes.

Remarks: Information given is based on data obtained from similar substances.

Respiratory or skin sensitisation

Product:

Result: Does not cause skin sensitisation.

Remarks: Information given is based on data obtained from similar substances.

Components:

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

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

Sulfonic acids, petroleum, calcium salts:

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

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

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

Carcinogenicity

IARC

Group 1: Carcinogenic to humans

Residual oils (petroleum),
solvent-refined

64742-01-4

OSHA

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

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Residual oils (petroleum),
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Reproductive toxicity

Components:

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calcium carbonate:

Effects on fertility :
Species: Rat
Application Route: Oral

Reproductive toxicity - Assessment : No toxicity to reproduction
No effects on or via lactation

Repeated dose toxicity

Product:

Remarks: This information is not available.

Aspiration toxicity

Product:

No aspiration toxicity classification

Further information

Product:

Remarks: The product itself has not been tested.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish :
Remarks: No data available

Components:

calcium dodecylbenzenesulphonate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 22 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 203
GLP: no
Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.5 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

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GLP: no

Remarks: Information given is based on data obtained from similar substances.

Sulfonic acids, petroleum, calcium salts:

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EbC50 (Green algae (Scenedesmus subspicatus)): > 100 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 201
GLP: yes

ErC50 (Green algae (Scenedesmus subspicatus)): > 100 mg/l
Exposure time:
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 201
GLP: yes

Persistence and degradability

Product:

Biodegradability : Result: No data available

Components:

calcium dodecylbenzenesulphonate:

Biodegradability : Concentration: 10 mg/l
Result: Readily biodegradable.
Testing period: 28 d
Kinetic:
28 d: 73 %
Remarks: Information given is based on data obtained from similar substances.

Sulfonic acids, petroleum, calcium salts:

Biodegradability : aerobic

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Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: 8.6 %
Exposure time: 28 d
GLP: yes

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

calcium dodecylbenzenesulphonate:

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 104
Exposure time: 21 d
GLP: no

Partition coefficient: n-octanol/water : Pow: 4.77 (77 °F / 25 °C)
Method: calculated

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

Product:

Results of PBT and vPvB assessment : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information : The product itself has not been tested.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : In accordance with local and national regulations.
Dispose of wastes in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

International Regulations

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UNRTDG

Not regulated as a dangerous good

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.

National Regulations

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

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

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
calcium dodecylbenzenesulphonate	26264-06-2	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA304 Reportable Quantity

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

SARA 311/312 Hazards : No SARA Hazards

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

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

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.

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Please note that Section 3 of this document lists only the hazardous components required by the specific country or region hazard communication regulations. The chemical identifiers listed in Section 3 are used globally for hazard communication purposes and may not reflect those used for chemical inventory coverage in a particular country or region. The chemical inventory information given in Section 15 of this document applies to the product as a whole and should be used when evaluating inventory compliance.

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

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
TCSI	On the inventory, or in compliance with the inventory
US.TSCA	On TSCA 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.