

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: G-2163-2

Product Use Description: Lubricant

Synonyms: Calcium Sulfonate grease

Company:

Supplier
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

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : Restricted to professional users.

SECTION 2. HAZARDS IDENTIFICATION

Form	paste
Colour	tan
Odour	mild hydrocarbon-like

GHS Classification

Not a hazardous substance or mixture.

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

GHS label elements

Other hazards : None

Not a hazardous substance or mixture.

Self-ignitable : No data available

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.

NTP

Known to be human carcinogen

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Residual oils (petroleum), solvent-refined	64742-01-4	>= 30 - < 50 %
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 20 - < 30 %
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 %
bis(nonylphenyl)amine	36878-20-3	>= 1 - < 2.5 %
Sulfonic acids, petroleum, calcium salts	61789-86-4	>= 1 - < 5 %

SECTION 4. FIRST AID MEASURES

If inhaled : Remove to fresh air.
Aspiration may cause pulmonary oedema and pneumonitis.
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.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

- Obtain medical attention.
- If swallowed : 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
Foam
Water mist
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
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 : Wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
- Environmental precautions : Should not be released into the environment.
Do not flush into surface water or sanitary sewer system.

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

Methods and materials for containment and cleaning up : Scrape up. Pick up and transfer to properly labelled containers.

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.
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.
Protect from contamination.

Materials to avoid : Oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Residual oils (petroleum), solvent-refined	64742-01-4	TWA (Mist)	5 mg/m ³	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
		TWA (Mist)	5 mg/m ³	NIOSH REL
		ST (Mist)	10 mg/m ³	NIOSH REL
		TWA (Mist)	5 mg/m ³	OSHA P0
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	PEL (particulate)	5 mg/m ³	CAL PEL
		TWA	5 mg/m ³	OSHA Z-1
		TWA (Mist)	5 mg/m ³	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
		TWA (Mist)	5 mg/m ³	NIOSH REL
		ST (Mist)	10 mg/m ³	NIOSH REL
		TWA (Mist)	5 mg/m ³	OSHA P0
		PEL (particulate)	5 mg/m ³	CAL PEL

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

calcium carbonate	471-34-1	PEL (Total dust)	10 mg/m ³	CAL PEL
		PEL (respirable dust fraction)	5 mg/m ³	CAL PEL
		TWA (Respirable)	5 mg/m ³	NIOSH REL
		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 dust or aerosol formation use respirator with an approved filter.
Respirator with combination filter for vapour/particulate (EN 141)

Hand protection
Remarks : Impervious gloves

Eye protection : Safety glasses with side-shields
or
Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : paste

Color : tan

Odor : mild hydrocarbon-like

Odour Threshold : No data available

pH : Not applicable

Melting point/freezing point :
Not applicable

Boiling point/boiling range : Not applicable

Evaporation rate : not determined

Flash point : > 180 °C
Method: Cleveland open cup

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

Auto-flammability : No data available
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : < 0.0008 hPa (20 °C)

Relative vapour density : No data available
Relative density : 0.95 - 1.05 (25 °C)

Density : 0.95 - 1.05 g/cm³ (25 °C)

Solubility(ies)

Water solubility : negligible
Solubility in other solvents : partly soluble

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 normally.
Possibility of hazardous reactions : Hazardous polymerisation does not occur.
Conditions to avoid : Exposure to moisture
Contamination

Incompatible materials : Oxidizing agents

Hazardous decomposition : Carbon oxides

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

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products

Sulphur oxides
Oxides of calcium

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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

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.

bis(nonylphenyl)amine:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
LD50 (Rat): > 16,000 mg/kg

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

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

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.

bis(nonylphenyl)amine:

Species: Rabbit

Result: No skin irritation

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.

bis(nonylphenyl)amine:

Species: Rabbit

Result: No eye irritation

Respiratory or skin sensitisation

Product:

Result: Did not cause sensitisation on laboratory animals.

Components:

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

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

bis(nonylphenyl)amine:

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals.

Result: Did not cause sensitisation on laboratory animals.

Sulfonic acids, petroleum, calcium salts:

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

Carcinogenicity

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

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64742-01-4

OSHA

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NTP

Known to be human carcinogen

Residual oils (petroleum),
solvent-refined

64742-01-4

Reproductive toxicity

Components:

calcium carbonate:

Effects on fertility

:

Species: Rat
Application Route: Oral

Reproductive toxicity -
Assessment

:

No toxicity to reproduction
No effects on or via lactation

Aspiration toxicity

Product:

No aspiration toxicity classification

Further information

Product:

Remarks: There is no data available for this product.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish

:

Remarks: No data available

Toxicity to daphnia and other
aquatic invertebrates

:

Remarks: No data available

Components:

calcium dodecylbenzenesulphonate:

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

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
GLP: no
Remarks: Information given is based on data obtained from similar substances.

bis(nonylphenyl)amine:

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): > 1,000 mg/l
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Crangon crangon (shrimp)): 14 - 28 mg/l
Exposure time: 96 h

LC50 (Crangon crangon (shrimp)): 18.9 - 39.2 mg/l
Exposure time: 96 h

LC50 (Crangon crangon (shrimp)): 463 - 631 mg/l
Exposure time: 96 h

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

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

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
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

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

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 : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

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

SECTION 14. TRANSPORT INFORMATION

International Regulations

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

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

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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.

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	Not 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

SAFETY DATA SHEET



G-2163-2

Version: 1.14

Revision Date: 09/04/2018

Print Date: 10/15/2020

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.