

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: HYBASE C-231

Product Use Description: Additive

Synonyms: calcium sulfonate detergent

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 : Additive

Restrictions on use : Restricted to professional users.

SECTION 2. HAZARDS IDENTIFICATION

Form	viscous liquid
Colour	brown
Odour	mild hydrocarbon-like

GHS Classification

Skin sensitisation : Category 1

GHS label elements

SAFETY DATA SHEET




HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

Signal word : **Warning**

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 on OSHA's list of regulated carcinogens.

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

Chemical name	CAS-No.	Concentration (%)
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 30 - < 50 %
calcium carbonate	471-34-1	>= 20 - < 30 %
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	>= 10 - < 20 %
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	>= 10 - < 20 %

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

Sulfonic acids, petroleum, calcium salts	61789-86-4	>= 5 - < 10 %
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.
Aspiration may cause pulmonary oedema and pneumonitis.
If breathing is difficult, give oxygen.
If symptoms persist, call a physician.
- In case of skin contact : Cool skin rapidly with cold water after contact with molten material.
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.
Get medical attention immediately.
- If swallowed : Obtain medical attention.
Never give anything by mouth to an unconscious person.
- 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 : (on small fires)
Carbon dioxide (CO₂)
Dry chemical
Dry sand
Extinguishing media - large fires
Foam
Water mist
- Unsuitable extinguishing media : Water spray 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.

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

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

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.

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

Methods and materials for containment and cleaning up : Clean-up methods - large spillage Dam up. Large spills should be collected mechanically (remove by pumping) for disposal. Clean-up methods - small spillage Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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 containers tightly closed in a dry, cool and well-ventilated place.

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
------------	---------	------------------	---------------------------	-------

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

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
		PEL (particulate)	5 mg/m3	CAL PEL
calcium carbonate	471-34-1	PEL (Total dust)	10 mg/m3	CAL PEL
		PEL (respirable dust fraction)	5 mg/m3	CAL PEL
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	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
		PEL (particulate)	5 mg/m3	CAL PEL

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.
Respirator with combination filter for vapour/particulate (EN 141)

Hand protection
Remarks : Impervious gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Hygiene measures : Take precautionary measures against static discharges.

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: viscous liquid
Color	: brown
Odor	: mild hydrocarbon-like
Odour Threshold	: No data available
pH	: 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)
<u>Solubility(ies)</u>	
Water solubility	: negligible
Solubility in other solvents	: partly soluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Viscosity	
Viscosity, kinematic	: > 30 mm ² /s (40 °C)
Molecular weight	: No data available

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

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 products :
Carbon oxides
Sulphur oxides
Metal oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

- Acute oral toxicity : LD50 (Rat): > 20,000 mg/kg
Remarks: Information given is based on data obtained from similar substances.
- 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

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

Components:

calcium carbonate:

Species: Rabbit

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

Result: No skin irritation

Serious eye damage/eye irritation

Components:

calcium carbonate:

Species: Rabbit

Result: No eye irritation

Respiratory or skin sensitisation

Product:

Result: May cause sensitisation by skin contact.

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

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 on OSHA's list of regulated carcinogens.

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.

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

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

Aspiration toxicity

Product:

No aspiration toxicity classification

Further information

Product:

Remarks: No data is available on the product itself.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish :
Remarks: No data available

Components:

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

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

Persistence and degradability

Product:

Biodegradability : Result: No data available

Components:

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

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.
Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and national regulations.
Dispose of wastes in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

International Regulations

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

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

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

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
naphthalene	91-20-3	100	*

*: 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 : Respiratory or skin sensitisation

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

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

WARNING: This product can expose you to chemicals including naphthalene, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SAFETY DATA SHEET



HYBASE C-231

Version: 1.6

Revision Date: 09/04/2018

Print Date: 03/12/2019

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.