

SAFETY DATA SHEET



HYBASE® M-12D

Version: 1.7

Revision Date: 09/04/2018

Print Date: 03/12/2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: HYBASE® M-12D

Product Use Description: Additive

Synonyms: magnesium sulfonate detergent additive

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 : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

Form	liquid
Colour	brown
Odour	oily

GHS Classification

Flammable liquids : Category 3
Skin irritation : Category 2
Eye irritation : Category 2A
Carcinogenicity : Category 2

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GHS label elements

Signal word : **Warning**

Hazard pictograms : 

Hazard statements : H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.

Other hazards : None

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.

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P405 Store locked up.

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 (%)
magnesium carbonate	546-93-0	>= 30 - < 50 %
Fuel oil, no. 2	68476-30-2	>= 30 - < 50 %
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 10 - < 20 %

SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.
Obtain medical attention.
Aspiration may cause pulmonary oedema and pneumonitis.
- In case of skin contact : Remove contaminated clothing and shoes.
Wash off with warm water and soap.
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
If symptoms persist, call a physician.
- If swallowed : Do NOT induce vomiting.
Rinse mouth with water.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : irritant effects
carcinogenic effects
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Carbon dioxide (CO₂)
Foam
Water mist
- Unsuitable extinguishing media : Water spray jet
- Specific hazards during firefighting : Burning produces noxious and toxic fumes.
- Specific extinguishing methods : Do not allow uncontrolled discharge of product into the environment.
- Special protective equipment for firefighters : Full protective flameproof clothing
Self-contained breathing apparatus (EN 133)

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
Remove all sources of ignition.
- Environmental precautions : Prevent leaks and prevent soil / water pollution caused by leaks.
- Methods and materials for containment and cleaning up : 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). Large spills should be collected mechanically (remove by pumping) for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid contact with skin, eyes and clothing.
Avoid inhalation of vapour or mist.
Use with adequate ventilation.
Wash thoroughly after handling.
Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity.

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Conditions for safe storage : Keep containers 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
magnesium carbonate	546-93-0	TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Respirable)	5 mg/m ³	NIOSH REL
		TWA (total)	10 mg/m ³	NIOSH REL
		TWA (Total dust)	15 mg/m ³	OSHA P0
		TWA (respirable dust fraction)	5 mg/m ³	OSHA P0
Fuel oil, no. 2	68476-30-2	TWA	100 mg/m ³	ACGIH
		TWA (Inhalable fraction and vapor)	100 mg/m ³	ACGIH
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	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

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

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Hand protection	:	
Remarks	:	Solvent-resistant gloves (butyl-rubber) Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water.
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	Impervious clothing
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	brown
Odor	:	oily
Odour Threshold	:	No data available
pH	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	150 - 370 °CSolvent
Evaporation rate	:	< 1 Solvent
Flash point	:	60 °C Method: ASTM D 93, closed cup
Upper explosion limit	:	6.5 %(V) solvent-like
Lower explosion limit	:	0.7 %(V) solvent-like
Vapour pressure	:	40 hPasolvent-like
Relative vapour density	:	4solvent-like
Relative density	:	No data available
Density	:	> 1 g/cm ³
<u>Solubility(ies)</u>	:	
Water solubility	:	insoluble
Solubility in other solvents	:	soluble Solvent: Organic solvents

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Partition coefficient: n-octanol/water : No data available
Auto-ignition temperature : No data available
Thermal decomposition : No data available
Viscosity
Viscosity, kinematic : 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 : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Components:

Fuel oil, no. 2:

Result: Irritating to skin.

Serious eye damage/eye irritation

Product:

Remarks: May irritate eyes.

Components:

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Fuel oil, no. 2:

Result: Irritating to eyes.

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

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Further information

Product:

Remarks: The product itself has not been tested.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : Remarks: No data available

Persistence and degradability

Product:

Biodegradability : Result: No data available

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

Product:

Additional ecological : No data available

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information

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.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
- Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

- UN/ID No. : UN 1268
- Proper shipping name : Petroleum distillates, n.o.s.
(Fuel oil, no. 2)
- Class : 3
- Packing group : III
- Labels : Flammable Liquids

IMDG-Code

- UN number : UN 1268
- Proper shipping name : PETROLEUM DISTILLATES, N.O.S.
(Fuel oil, no. 2)
- Class : 3
- Packing group : III
- Labels : 3
- EmS Code : F-E, S-E
- Marine pollutant : no

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

- UN/ID/NA number : UN 1268
- Proper shipping name : PETROLEUM DISTILLATES, N.O.S.
(Fuel oil, no. 2)
- Class : 3
- Packing group : III
- Labels : FLAMMABLE LIQUID

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ERG Code : 128

Marine pollutant : no

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)
maleic anhydride	108-31-6	5000	*

*: 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 : Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Serious eye damage or eye irritation
Carcinogenicity

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

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:

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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.