

NUCON International, Inc
7000 Huntley Road
Columbus, OH 43229

SAFETY DATA SHEET

According to Federal Register / Vol. 77, No. 58 /
Monday, March 26, 2012 / Rules and Regulations

MERSORB[®] LH[™] (Impregnated Activated Carbon)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : MERSORB LH

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Nucon International, Inc.
7000 Huntley Rd
Columbus, Ohio 43229
T (614) 846-5710 - F (614) 431-0858
sales@nucon-int.com - <http://www.nucon-int.com/>

1.4. Emergency telephone number

Emergency number : +1-800-992-5192 extension 124

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

Other hazards not contributing to the classification : Dust may form explosive mixture in air.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%
Carbon	(CAS No) 7440-44-0	90 - 95

Full text of H-phrases: see section 16

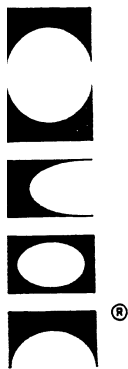
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion : Rinse mouth. Drink plenty of water. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Coughing, sneezes.



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Symptoms/injuries after skin contact : May cause moderate irritation.
Symptoms/injuries after eye contact : May cause slight irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

Reactivity : Stable under normal conditions.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust formation.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.
Emergency procedures : Avoid contact with skin, eyes and clothing. Do not breathe dust.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.
Emergency procedures : Exercise caution when fighting any chemical fire.

6.2. Environmental precautions

Do not flush to sewer.

6.3. Methods and material for containment and cleaning up

For containment : Sweeping or shoveling without dust for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

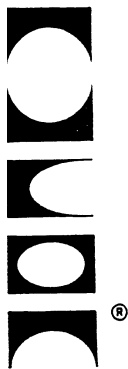
Additional hazards when processed : Avoid dust formation. Do not breathe dust.
Precautions for safe handling : Avoid contact with skin, eyes and clothing.
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.
Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from: moisture.
Incompatible products : Oxidizing agent.
Storage area : Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Mersorb LH	
ACGIH	Not applicable
OSHA	Not applicable
Carbon (7440-44-0)	
ACGIH	Not applicable
OSHA	Not applicable

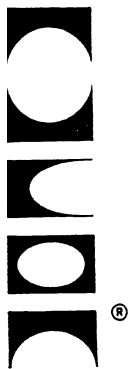
8.2. Exposure controls

Materials for protective clothing : Footwear (shoes, boots). Impervious clothing.
Hand protection : protective gloves.
Eye protection : Chemical goggles or safety glasses.
Skin and body protection : Chemical resistant apron. Impervious clothing.
Respiratory protection : In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Pellets/tablets.
Color : Black
Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.
Mixture contains one or more component(s) which have the following odour(s):
Rotten eggs paralyzes the sense of smell
Odor threshold : No data available
pH : 6 - 8
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : 350 °C
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : < 1 mm Hg
Relative vapor density at 20 °C : No data available
Relative density : No data available
Relative gas density : 400 - 600
Solubility : Water: Solubility in water of component(s) of the mixture :
• Sodium sulfide: 450 g/l (at 20 °C)
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available



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Explosive properties : No data available
Oxidizing properties : No data available
Explosion limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None Known

10.4. Conditions to avoid

Formation of dust.

10.5. Incompatible materials

Oxidizing agent. Strong acids.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Carbon (7440-44-0)	
LD50 oral rat	> 10000 mg/kg

Skin corrosion/irritation : Not classified
pH: 6 - 8

Serious eye damage/irritation : Not classified
pH: 6 - 8

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : Coughing, sneezes.

Symptoms/injuries after skin contact : May cause moderate irritation.

Symptoms/injuries after eye contact : May cause slight irritation.



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SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Carbon (7440-44-0)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Carbon (7440-44-0)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer :

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in accordance with all applicable Federal, State and Local regulations.

SECTION 14: Transport information

In accordance with DOT

Not Evaluated

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

Not Evaluated

Air transport

Not Evaluated

SECTION 15: Regulatory information

15.1. US Federal regulations

Carbon (7440-44-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

CANADA

Carbon (7440-44-0)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria



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EU-Regulations

Carbon (7440-44-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

Carbon (7440-44-0)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)

15.3. US State regulations

SECTION 16: Other information

GHS US SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product