

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issue Date 26-Jun-2015

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Version 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product Code MS-425
Product Name Nuts N' Bolts 425

Contains Cumene Hydroperoxide

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

Recommended Use Anaerobic Adhesive

Uses advised against None known

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Hernon Manufacturing Inc.
121 Tech Drive
Sanford, FL 32771
800-527-0004

For further information, please contact

Contact Point customerservice@hernon.com

1.4. Emergency telephone number

Emergency Telephone Chemtel 800-255-3924

Emergency Telephone - §45 - (EC)1272/2008**Europe** |112**Section 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

| | |
|---|---------------------|
| Acute toxicity - Oral | Category 4 - (H302) |
| Acute toxicity - Dermal | Category 4 - (H312) |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 3 - (H331) |
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Specific target organ toxicity (single exposure) | Category 3 |
| Chronic aquatic toxicity | Category 2 - (H411) |

Classification according to Directive 67/548/EEC or 1999/45/EC

Full text of R-phrases: see section 16

2.2. Label elements**Product identifier**

**Signal word**

Warning

Hazard statements

H319 - Causes serious eye irritation

H331 - Toxic if inhaled

H411 - Toxic to aquatic life with long lasting effects

May cause respiratory irritation. May cause drowsiness or dizziness

Precautionary Statements - EU (§28, 1272/2008)

P321 - Specific treatment (see supplemental instructions on the administration of antidotes on this label)

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P280 - Wear protective gloves and eye/face protection

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

| Chemical Name | EC No. | CAS No. | Weight-% | Classification according to Directive 67/548/EEC or 1999/45/EC | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|------------------------------------|-----------|------------|----------|--|---|---------------------------|
| Unsaturated Polyester Resin | - | 39382-25-7 | 15-20 | - | No data available | No data available |
| POLYETHYLENE GLYCOL DIMETHACRYLATE | - | 25824-75-5 | 70-75 | - | No data available | No data available |
| Saccharin | 201-321-0 | 81-07-2 | 1-3 | - | No data available | No data available |
| Poly(ethylene) Homopolymer | - | 9002-8 | 1-3 | - | No data available | No data available |

| | | | | | | |
|----------------------|-----------|-----------|-----|--|---|-------------------|
| | | 8-4 | | | | |
| Fumed Silica | 271-893-4 | 68611-4-9 | 1-3 | - | No data available | No data available |
| Cumene Hydroperoxide | 201-254-7 | 80-15-9 | 1-3 | Xn; R21/22-48/20/22 T; R23 C; R34 N; R51-53 O; R7 | Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 3 (H331) Skin Corr. 1B (H314) STOT RE 2 (H373) Aquatic Chronic 2 (H411) Org. Perox. E (H242) | No data available |

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Skin contact

Wash with soap and water. Flush skin with water for several minutes. Remove contaminated clothing and shoes. If irritation develops, seek medical attention. Wash clothing before reuse.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms

No information available.

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

Note to physicians

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Foam. Carbon dioxide (CO2). Dry chemical.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors

Hazardous combustion products

Carbon oxides. Nitrogen oxides (NOx). Irritating organic vapors.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water.

6.3. Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Remove all sources of ignition. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a dry place. Store in a closed container.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Store between 46° and 85°F.

Incompatible materials

Strong oxidizing agents. Strong reducing agents.

7.3. Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Gloves made of plastic or rubber.

Environmental exposure controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

| | | | |
|----------------|--------------------------|----------------|--------------------------|
| Physical state | liquid | Odor | mild |
| Appearance | No information available | Odor threshold | No information available |
| Color | red | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------|-------------------|--------------------------|
| pH | Does not apply | |
| Melting point / freezing point | | No information available |
| Boiling point / boiling range | > 149 °C / 300 °F | |
| Flash point | > 93 °C / 200 °F | |
| Evaporation rate | | No information available |
| Flammability (solid, gas) | | No information available |
| Flammability Limit in Air | | |
| Upper flammability limit: | | No information available |
| Lower flammability limit: | | No information available |
| Vapor pressure | < 5 mm @80°F | |
| Vapor density | | No information available |
| Relative density | 1.08 | |
| Water solubility | slightly soluble | |
| Solubility(ies) | | No information available |
| Partition coefficient | | No information available |
| Autoignition temperature | | No information available |
| Decomposition temperature | | No information available |
| Kinematic viscosity | | No information available |
| Dynamic viscosity | | No information available |
| Explosive properties | | No information available |
| Oxidizing properties | | No information available |

9.2. Other information

| | |
|------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | 4.4 g/L |
| Density | No information available |
| Bulk density | No information available |

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Excessive heat. Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents. Strong reducing agents.

10.6. Hazardous decomposition products

Nitrogen oxides (NOx). Carbon oxides. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation Avoid breathing vapors or mists.

Eye contact Contact with eyes may cause irritation.

Skin contact Irritating to skin. May cause skin irritation and/or dermatitis.

Ingestion Ingestion may cause irritation to mucous membranes.

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|-------------------------------|----------|
| ATEmix (oral) | 382.00 |
| ATEmix (dermal) | 1,100.00 |
| ATEmix (inhalation-dust/mist) | 0.50 |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|----------------------------|---------------------|--------------------------|-----------------------|
| Cumene Hydroperoxide | = 382 mg/kg (Rat) | = 0.126 mL/kg (Rabbit) | = 220 ppm (Rat) 4 h |
| Poly(ethylene) Homopolymer | = 8 g/kg (Rat) | | |

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Sensitization No information available.

Germ cell mutagenicity No information available.

| | |
|---------------------------------|---------------------------|
| Carcinogenicity | No information available. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | Irritant. |
| Aspiration hazard | No information available. |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|----------------------|----------------------|---|---------------------------------|
| Saccharin | - | 18300: 96 h Pimephales promelas mg/L LC50 | - |
| Cumene Hydroperoxide | - | 3.9: 96 h Oncorhynchus mykiss mg/L LC50 static | 7: 24 h Daphnia magna mg/L EC50 |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

IMDG

| | |
|---|--------------------------|
| 14.1 UN/ID no. | none |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | None |
| Subsidiary hazard class | none |
| 14.4 Packing Group | None |
| 14.5 Marine pollutant | Not applicable |
| 14.6 Special Provisions | none |
| EmS-No. | none |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No information available |

RID

| | |
|---------------------------|----------------|
| 14.1 UN/ID no. | none |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | none |
| 14.4 Packing Group | none |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | none |
| Classification code | none |

ADR

| | |
|---------------------------|----------------|
| 14.1 UN/ID no. | none |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | none |
| 14.4 Packing Group | none |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | none |
| Classification code | none |
| Tunnel restriction code | none |

IATA

| | |
|---------------------------|----------------|
| 14.1 UN/ID no. | nonr |
| 14.2 Proper shipping name | Not regulated |
| 14.3 Hazard Class | None |
| Subsidiary hazard class | none |
| 14.4 Packing Group | None |
| Description | none |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | none |
| ERG Code | none |

DOT

| | |
|--------------------------|---------------|
| UN/ID no. | Not regulated |
| Proper shipping name | none |
| Hazard Class | Not regulated |
| Subsidiary class | none |
| Packing Group | none |
| Reportable Quantity (RQ) | none |
| Special Provisions | none |
| Marine pollutant | No. |

| |
|---|
| Section 15: REGULATORY INFORMATION |
|---|

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

| Chemical Name | French RG number | Title |
|---|------------------|-------|
| Poly(ethylene) Homopolymer 9002-88-4 | RG 66 | - |

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

All ingredients are on the inventory or are exempt from listing.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of R-phrases referred to under sections 2 and 3

No information available

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H331 - Toxic if inhaled

H314 - Causes severe skin burns and eye damage

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

H411 - Toxic to aquatic life with long lasting effects

H242 - Heating may cause a fire

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

Prepared By SDS coordinator

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Revision Note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Material 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.

End of Safety Data Sheet