

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

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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-419  
**Product Name** Nuts N' Bolts 419

Contains DIBUTYL PHTHALATE

**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**

Serious eye damage/eye irritation	Category 2 - (H319)
Reproductive Toxicity	Category 1B - (H360)
Specific target organ toxicity (single exposure)	Category 3
Acute aquatic toxicity	Category 1 - (H400)
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**

Contains DIBUTYL PHTHALATE

**Signal word**

Danger

**Hazard statements**

H319 - Causes serious eye irritation

H360 - May damage fertility or the unborn child

H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

May cause respiratory irritation. May cause drowsiness or dizziness

H360Df - May damage the unborn child. Suspected of damaging fertility

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

P201 - Obtain special instructions before use

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P202 - Do not handle until all safety precautions have been read and understood

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

**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
Saccharin	201-321-0	81-07-2	1-3	-	No data available	No data available
POLYETHYLENE GLYCOL DIMETHACRYLATE	-	25852-47-5	55-60	-	No data available	No data available
DIBUTYL PHTHALATE	201-557-4	84-74-2	30-35	N; R50 Repr.Cat.2; R61 Repr.Cat.3; R62	Repr. 1B (H360Df) Aquatic Acute 1 (H400)	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**

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<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately.
<b>Skin contact</b>	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.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Ingestion</b>	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**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**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** Nitrogen oxides (NO<sub>x</sub>). Carbon oxides. 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**

Wear protective gloves/protective clothing and eye/face protection.

**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. P260 - Do not breathe mist.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Keep at temperatures between 46 and 82 °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

Chemical Name	European Union	United Kingdom	France	Spain	Germany
DIBUTYL PHTHALATE 84-74-2	-	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 0.05 ppm TWA: 0.58 mg/m <sup>3</sup>
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
DIBUTYL PHTHALATE 84-74-2	-	TWA: 5 mg/m <sup>3</sup>	-	-	TWA: 3 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
DIBUTYL PHTHALATE 84-74-2	TWA: 5 mg/m <sup>3</sup>	TWA: 0.05 ppm TWA: 0.58 mg/m <sup>3</sup> STEL: 0.1 ppm STEL: 1.16 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>

**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. Wear suitable protective clothing.

**Environmental exposure controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	mild
<b>Appearance</b>	No information available	<b>Odor threshold</b>	No information available
<b>Color</b>	purple		

Property	Values	Remarks • Method
<b>pH</b>	Does not apply	
<b>Melting point / freezing point</b>		No information available
<b>Boiling point / boiling range</b>	> 149 °C / 300 °F	
<b>Flash point</b>	> 93 °C / 200 °F	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>		No information available
<b>Lower flammability limit:</b>		No information available
<b>Vapor pressure</b>	< 5 mm @80 °F	
<b>Vapor density</b>		No information available
<b>Relative density</b>	1.07	
<b>Water solubility</b>	slightly soluble	
<b>Solubility(ies)</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### 9.2. Other information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	1.71 g/L
<b>Density</b>	No information available
<b>Bulk density</b>	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**

Carbon oxides. Nitrogen oxides (NOx). 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**

Harmful by inhalation and in contact with skin.

<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin contact</b>	Irritating to skin. May cause skin irritation and/or dermatitis.
<b>Ingestion</b>	No data available.

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

<b>ATEmix (oral)</b>	3,099.00
<b>ATEmix (dermal)</b>	9,504.00
<b>ATEmix (inhalation-dust/mist)</b>	5.19

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Cumene Hydroperoxide	= 382 mg/kg ( Rat )	= 0.126 mL/kg ( Rabbit )	= 220 ppm ( Rat ) 4 h
DIBUTYL PHTHALATE	= 6300 mg/kg ( Rat )	> 20 mL/kg ( Rabbit )	> 15.68 mg/L ( Rat ) 4 h

**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	-
DIBUTYL PHTHALATE	1.2: 72 h Desmodesmus subspicatus mg/L EC50 0.4: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	0.71 - 1.2: 96 h Pimephales promelas mg/L LC50 flow-through 0.31 - 5.45: 96 h Pimephales promelas mg/L LC50 static 1.24: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.24 - 5.3: 96 h Oncorhynchus mykiss mg/L LC50 static 1.38 - 1.74: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.42 - 1.28: 96 h Lepomis macrochirus mg/L LC50 static	2.99: 48 h Daphnia magna mg/L EC50 Static 3.4: 48 h Daphnia magna mg/L EC50
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.

Chemical Name	Partition coefficient
DIBUTYL PHTHALATE	5.38

**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

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
DIBUTYL PHTHALATE	Group I Chemical Group III Chemical	High Exposure Concern	-

## 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.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	None
14.4 Packing Group	None
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	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.	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

**ADR**

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

**IATA**

14.1 UN/ID no.	Not regulated
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

**DOT**

	Not regulated
Proper shipping name	Not regulated
Hazard Class	None
Packing Group	None
Marine pollutant	No.

## Section 15: REGULATORY INFORMATION

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

**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)

Chemical Name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
DIBUTYL PHTHALATE - 84-74-2	Use restricted. See item 30. Use restricted. See item 51[b].	X



**Persistent Organic Pollutants**

Not applicable

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

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	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

H360Df - May damage the unborn child. Suspected of damaging fertility

H400 - Very toxic to aquatic life

**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**Issue Date** 26-Jun-2015

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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