

## SECTION 1: Identification

### 1.1. Product identifier

Product form : Mixture  
Product name : Natco Super Blue Cement  
Product code : NC8BL ( 8 oz. can), NC32BL (32 oz. can)

### 1.2. Recommended use and restrictions on use

Recommended use : Tire Maintenance and Repair

### 1.3. Supplier

Natco Manufacturing Ltd.  
1456 Church Avenue  
Winnipeg, Manitoba  
R2X 1G4  
Ph: (204) 633-5432  
Fax: (204) 694-3320

### 1.4. Emergency telephone number

Emergency number : ChemTel: (800) 255-3924 (North America), (801) 248-0585 (International)

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

#### Classification (GHS CA)

· Flammable Liquid, Category 2 : H225 Highly flammable liquid and vapor.  
· Skin Irritant, Category 2 : H315 Causes skin irritation.  
· Skin Sensitization, Category 1 : H317 May cause an allergic skin reaction.  
· STOT, Single Exposure, Category 3 : H336 May cause drowsiness or dizziness.  
· Aspiration Toxicity, Category 1 : H304 May be fatal if swallowed and enters airways.

### 2.2. GHS Label elements, including precautionary statements

#### GHS-CA labelling

· The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Signal word** : **Danger!**

· **Pictograms**



GHS02 Flammable



GHS07 Harmful



GHS08 Health Hazard

#### · Hazard statements

H225 : Highly flammable liquid and vapor.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H336 : May cause drowsiness or dizziness.  
H304 : May be fatal if swallowed and enters airways.

#### · Precautionary statements -- For prevention

P210 : Keep away from heat/sparks/open flames/hot surfaces.  
P233 : No smoking. 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.  
P261 : Avoid breathing mist, vapors, or spray.  
P264 : Wash thoroughly after handling.  
P271 : Use only outdoors or in a well-ventilated area.  
P272 : Contaminated work clothing must not be allowed out of the workplace.  
P280 : Wear protective gloves / eye protection / face protection.  
P301 + 310 : IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

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### Precautionary Statements -- For Response

- P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER / doctor.
- P303 + P361 + P353 : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P304 + P340 : IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 : Call a POISON CENTER/doctor if you feel unwell.
- P331 : Do NOT induce vomiting.
- P333 + P313 : If skin irritation or rash occurs: Get medical advice/attention.
- P362 + P364 : Take off contaminated clothing and wash it before reuse.
- P370 + P378 : In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

### Precautionary Statements -- For Storage

- P403 + P235 : Store in a well-ventilated place. Keep cool.
- P405 : Store locked up.
- P501 : Dispose of contents/container in accordance with local/regional/national/international regulations.

### Precautionary Statements -- For Disposal

- P501 : Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%
Heptane	CAS: 142-82-5	> 70%
Natural Rubber Latex	9006-04-6	10-20%

- **Additional information** : For the wording of the listed Hazard Statements refer to section 16.  
: For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- **General information** : Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation** : Supply fresh air; consult doctor in case of complaints.  
: Provide oxygen treatment if affected person has difficulty breathing.  
: In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After skin contact** : In case of unconsciousness place patient stably in side position for transportation.  
: Immediately remove any clothing soiled by the product.  
: Immediately wash with water and soap and rinse thoroughly.  
: If skin irritation or rash occurs, Get medical advice / attention.
- **After eye contact** : Rinse opened eye for several minutes under running water.  
: Remove contact lenses if worn, if possible.  
: Seek medical treatment in case of complaints.
- **After swallowing** : Rinse out mouth and then drink plenty of water.  
: Do not induce vomiting; immediately call for medical help.  
: A person vomiting while lying on their back should be turned onto their side.

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### 4.2. Most important symptoms and effects (acute and delayed)

- : Headache
- : Breathing difficulty
- : Coughing, dizziness, if inhaled.
- : Gastric or intestinal disorders when ingested.
- : Irritant to skin and mucous membranes.
- : Allergic reactions
- : Disorientation
- **Danger** : Danger of impaired breathing.
- : Vapours may cause drowsiness and dizziness.
- : May be fatal if swallowed and enters airways.

### 4.3. Immediate medical attention and special treatment, if necessary

- If swallowed : Gastric irrigation with added, activated carbon.
- If necessary : Oxygen respiration treatment.
- If swallowed or in case of vomiting : Danger of entering the lungs.
- Later observation : For pneumonia and pulmonary edema.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

- Suitable extinguishing media : Use CO2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

### 5.2. Unsuitable extinguishing media

- Unsuitable extinguishing media : Water stream

### 5.3. Specific hazards arising from the hazardous product

- Special hazards arising from the substance or mixture : Formation of toxic gases is possible during heating or in case of fire.

### 5.4. Special protective equipment and precautions for fire-fighters

- **Protective equipment** : Wear self-contained respiratory protective device.
- : Wear fully protective suit.
- **Additional information** : Eliminate all ignition sources if safe to do so.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- **General measures** : Use respiratory protective device against the effects of fumes/dust/aerosol.
- : Wear protective equipment. Keep unprotected persons away.
- : Ensure adequate ventilation. Keep away from ignition sources.
- : Protect from heat.
- **Environmental precautions** : Do not allow to enter sewers/ surface or ground water.
- : Inform respective authorities in case of seepage into water course or sewage system.

### 6.2. Methods and materials for containment and cleaning up

- For containment and cleaning up : Allow to solidify. Pick up mechanically.
- : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.3. Reference to other sections

- For further information refer : To section 7 for information on safe handling.
- : To section 8 for information on personal protection equipment
- : To section 13 for disposal information.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- **Precautions for safe handling**
  - : Use only outdoors or in a well-ventilated area.
  - : Prevent formation of aerosols.
  - : Avoid splashes or spray in enclosed areas.
- **Information about protection against explosions and fires**
  - : Keep ignition sources away - Do not smoke.
  - : Protect against electrostatic charges.
  - : Flammable gas-air mixtures may be formed in empty containers/receptacles.

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

- **Requirements to be met by storerooms and receptacles**
  - : Store in cool, dry conditions in well sealed receptacles.
  - : Provide ventilation for receptacles.
  - : Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility**
  - : Store away from foodstuffs.
  - : Store away from oxidizing agents.
- **Further information about storage conditions**
  - : Keep containers tightly sealed.
- **Specific end use(s)**
  - : No relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

- **Components with limit values that require monitoring at the workplace:**
  - Heptane (CAS: 142-82-5)**
    - PEL (USA) : Long-term value: 200 mg/m<sup>3</sup>, 500 ppm
    - REL (USA) : Long-term value: 350 mg/m<sup>3</sup>, 85 ppm
    - : Ceiling limit value: 1800\* mg/m<sup>3</sup>, 440\* ppm @ 15 min.
    - TLV (USA) : Short-term value: 2050 mg/m<sup>3</sup>, 500 ppm
    - : Long-term value: 1640 mg/m<sup>3</sup>, 400 ppm
    - EL (Canada) : Short-term value: 500 ppm
    - : Long-term value: 400 ppm
    - EV (Canada) : Short-term value: 2045 mg/m<sup>3</sup>, 500 ppm
    - : Long-term value: 1635 mg/m<sup>3</sup>, 400 ppm
    - LMPE (Mexico) : Short-term value: 500 ppm
    - : Long-term value: 400 ppm
  - Natural Rubber latex (CAS: 9006-04-6)**
    - TLV (USA) : Long-term value: 0.0001\* mg/m<sup>3</sup>
    - : Skin: DSEN, RSEN, \* inh. fraction
    - EL (Canada) : Long-term value: 0.001 mg/m<sup>3</sup> inhalable, Skin; S
    - EV (Canada) : Long-term value: 0.001 mg/m<sup>3</sup> as total proteins, inhalable, Skin
    - LMPE (Mexico) : Long-term value: 0.0001\* mg/m<sup>3</sup> SEN, PIEL, \* fraction inhalable

#### 8.2. Appropriate engineering controls

- Engineering controls
  - : Take precautionary measures against static discharge.
  - : Do not expose to temperatures exceeding 50 °C/122°F.
  - : Store in a well-ventilated place.

#### 8.3. Individual protection measures/Personal protective equipment

- **General protective and hygienic measures**
  - : The usual precautionary measures for handling chemicals should be followed.
  - : Keep away from foodstuffs, beverages and feed.
  - : Immediately remove all soiled and contaminated clothing.
  - : Wash hands before breaks and at the end of work.
  - : Do not inhale gases / fumes / aerosols.
- **Breathing equipment**
  - : Avoid contact with the eyes and skin.
  - : Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded. For spills, respiratory protection may be advisable.
- **Protection of hands**
  - : Protective gloves
  - : The glove material has to be impermeable and resistant to the product / the substance / the preparation.



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### Eye protection



- : Safety glasses
- : Follow relevant national guidelines concerning the use of protective eyewear.

### Body Protection

- : Protective work clothing

### Limitation and supervision of exposure into the environment

- : No relevant information available.

### Risk management measures

- : No relevant information available.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Color	: Blue
Odor	: Solvent-like
Odor threshold	: Not determined
pH	: Not determined
Melting point / range	: Not determined
Boiling point / range	: 93° C / 199° F
Flash point	: 0° C / 32° F
Flammability (solid, gas)	: Not applicable
Auto-ignition temperature	: 215° C / 419° F
Decomposition temperature	: Not determined
Danger of explosion	: Product is not explosive, however, formulation of explosive air / vapor mixtures are possible
Flammability or explosive limits	: Upper: 6.7 vol% Lower: 1.1 vol%
Oxidizing properties	: Not determined
Vapor pressure @ 20° C (68° F)	: 48 hPa (36 mm Hg)
Vapor density	: Not determined
Density @ 20° C (68° F)	: 0.77 g/cm (6.426 lbs/gal)
Relative density	: Not determined
Evaporation rate	: Not determined
Solubility in water / miscibility with water	: Not miscible or difficult to mix
Partition coefficient: n-octanol / water	: Not determined
Viscosity	: Dynamic: Not determined Kinematic: Not determined
Other information	: No relevant information is available

## SECTION 10: Stability and reactivity

### 10.1. Stability and Reactivity

Stability	: Stable under normal conditions of use and storage.
Reactivity	: No relevant information is available
Thermal decomposition	: No decomposition if used and stored according to specifications
Conditions to avoid	: Keep away from heat and direct sunlight : Keep ignition sources away - Do not smoke : Store away from oxidizing agents
Materials to avoid	: Oxidizing agents
Possibility of hazardous reactions	: Flammable : Reacts violently with oxidizing agents : Used empty containers may contain product gases which form explosive mixtures with air. : Can form explosive mixtures in air if heated above flash point and / or sprayed or atomized. : Toxic fumes may be released if heated above the decomposition point
Hazardous decomposition products	: Carbon monoxide and carbon dioxide

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity -- Heptane (CAS: 142-82-5)

#### LD / LC50 values that are relevant for classification:

Oral	: LD50 -- > 5000 mg/kg (rat)
Inhalative	: LC50/4h -- 103 mg/l (rat)

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### Primary irritant effect

On the skin : Irritant to skin and mucous membranes  
On the eye : Based on available data, the classification criteria are not met.  
Sensitization : Contains natural rubber latex, may produce an allergic reaction

### Probable route(s) of exposure

: Ingestion.  
: Inhalation.  
: Eye contact.  
: Skin contact.  
Germ cell mutagenicity : Based on available data, the classification criteria are not met.  
Carcinogenicity : Based on available data, the classification criteria are not met.  
Reproductive toxicity : Based on available data, the classification criteria are not met.  
STOT-single exposure : May cause drowsiness or dizziness.  
STOT-repeated exposure : Based on available data, the classification criteria are not met.  
Aspiration hazard : May be fatal if swallowed and enters airways.

IARC (International Agency for Research on Cancer)

: None of the ingredients are listed

NTP (National Toxicology Program)

: None of the ingredients are listed

OSHA-Ca (Occupational Safety & Health Administration)

: None of the ingredients are listed

## SECTION 12: Ecological information

### 12.1. Toxicity

Aquatic toxicity : Toxic for aquatic organisms

### 12.2. Persistence and degradability

#### Natco Super Blue Cement

Persistence and degradability	No relevant information is available
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### 12.3. Bioaccumulative potential

#### Natco Super Blue Cement

Bioaccumulative potential	No relevant information is available
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### 12.4. Mobility in soil

Mobility in soil : No relevant information is available

### 12.5. Other adverse effects

General information : Due to available data on eliminability / decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.  
: Do not allow product to reach ground water, water course or sewage system

Results of PBT and vPvB assessment

PBT : Not applicable

vPvB : Not applicable

Other adverse effects : No relevant information is available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment method recommendations : The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and non-hazardous wastes.

Uncleaned packagings recommendations : Disposal must be made according to official regulations

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### SECTION 14: Transport information

#### 14.1. Basic shipping description

	DOT Classification	ADR	IMDG	IATA
Identification Number	UN 1206	UN 1206	UN 1206	UN 1206
Proper Shipping Name	Heptanes	Heptanes	Heptanes	Heptanes
Transport Hazard Class	3, Flammable Liquids	3, (F1) Flammable Liquids	3, Flammable Liquids	3, Flammable Liquids
Label				
Packaging Group	II	II	II	II
Special precautions	: Warning: Flammable liquids			
Danger code	: 33			
EMS Number	: F-E, S-D			
Environmental Hazards	: Product contains environmentally hazardous substances -- Heptane			
Marine pollutant	: Yes 			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	: Not applicable			
Additional information				
· DOT 	: Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L each. : Labeling as a Marine Pollutant is only required for bulk single package shipments. Bulk packaging consists of a maximum capacity of greater than 450 L (119 gallons) for a liquid and a maximum net mass greater than 400 kg (882 pounds) for a solid. (See 171.4(c))			
· ADR 	: Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L each. : Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 5.2.8.1)			
· IMDG 	: Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L each. : Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to provisions relevant to marine pollutants. (See 2.10.2.7)			
· IATA 	: Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 L each / 1 L net.			

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### SECTION 15: Regulatory information

**Safety, health and environmental regulations / legislation specific for the substance or mixture -- Heptane (CAS: 142-82-5)**

#### 15.1. National regulations

#### 15.2. International regulations

##### United States (USA)

###### SARA

Section 302 (extremely hazardous substances) : None of the ingredients are listed  
Section 355 (extremely hazardous substances) : None of the ingredients are listed  
Section 313 (specific toxic chemical listings) : None of the ingredients are listed

**TSCA (Toxic Substances Control Act)** : All ingredients are listed

###### Proposition 65 (California)

Chemicals known to cause cancer : None of the ingredients are listed  
Chemicals known to cause reproductive toxicity for females : None of the ingredients are listed  
Chemicals known to cause reproductive toxicity for males : None of the ingredients are listed  
Chemicals known to cause developmental toxicity : None of the ingredients are listed

###### Carcinogenic categories

EPA (Environmental Protection Agency) : 142-82-5 Heptane  
IARC (International Agency for Research on Cancer) : None of the ingredients are listed  
NIOSH-Ca (National Institute for Occupational Safety and Health) : None of the ingredients are listed  
DSL (Canadian Domestic Substances List) : All ingredients are listed

### SECTION 16: Other information

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Other information : None.  
Prepared by : Technical / Safety Department

#### Abbreviations and acronyms:

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
IMDG : International Maritime Code for Dangerous Goods  
DOT : US Department of Transportation  
IATA : International Air Transport Association  
CAS : Chemical Abstracts Service (division of the American Chemical Society)  
LC50 : Lethal concentration, 50 percent  
LD50 : Lethal dose, 50 percent  
PBT : Persistent, Bio-accumulable, Toxique  
vPvB : very Persistent and very Bioaccumulative  
NIOSH : National Institute for Occupational Safety and Health  
OSHA : Occupational Safety & Health Administration  
Flam. Liq. 2 : Flammable liquids – Category 2  
Skin Irrit. 2 : Skin corrosion/irritation – Category 2  
Skin Sens. 1 : Skin sensitisation – Category 1  
Skin Sens. 1B : Skin sensitisation – Category 1B  
STOT SE 3 : Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1 : Aspiration hazard – Category 1

SDS Canada (GHS)

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