



FISPQ N.º 032.1  
**CHEMICAL PRODUCT SAFETY  
 INFORMATION RECORD**

## BLACK CEMENT

### 1. Product and company identification

Product's name: BLACK CEMENT

Product's internal identification code: C01010, C010102, C020102, L01053, L01054

Company's name: rubber vulk, Lda.

Address: Zona Industrial, Lote 21 Vilarinho, 3680-323 Oliveira de Frades

Company's phone: +351 232 763 109 // Fax: +351 232 763 110

E-mail: [info@rubbervulk.com](mailto:info@rubbervulk.com)

### 2. Identification of hazards:

#### 2.1. Classification of the substance or mixture

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

H225 Highly flammable and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

Hazard pictograms:



GHS02



GHS08



GHS09



GHS07

Signal word: Danger

Hazard statements:

H225 Highly flammable and vapor.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects

H315 Causes skin irritation.



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### Precautionary statements

#### Prevention:

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P240 Ground/bond container and receiving equipment.
- P233 Keep container tightly closed.
- P242 Use only non-sparking tools.
- P273 Avoid release to the environment.
- P243 Take precautionary measures against static discharge.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area

#### Response:

- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P321 Specific treatment (see on this label).
- P362 Take off contaminated clothing and wash before reuse.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P391 Collect spillage.

#### Storage:

- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.

#### Disposal:

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

### 2.3. Other hazards

- The vapors may form explosive mixtures with the air.
- The vapors of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars.
- High risk of fire and danger of explosion at accumulation in lower-lying or closed rooms.
- Risk of generation of static electricity while handling.

### Results of PBT and vPvB assessment

PBT: See section 12.

vPvB: See section 12.



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### 3. Composition and information on ingredients:

#### 3.1. Product definition (REACH): Mixture

Rubber dissolution.

Ingredient name	CAS	%	Classification Regulation UE n°1272/2008
Naphtha (petroleum), solvente-refined light	64741-84-0	< 90	H225, H411, H304, H336

### 4. First-aid Measures:

#### 4.1. Descrição das medidas de primeiros socorros

General information:

Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces.

Before attempting to rescue casualties, isolate area from all potential sources of ignition including disconnecting electrical supply.

Inhalation:

Remove casualty to a quiet and well ventilated place if safe to do so, taking all appropriate steps to avoid fire, explosion and inhalation hazards to the rescuers including the use of breathing apparatus.

If breathing is difficult, give oxygen if possible, or assisted ventilation.

Obtain medical attention immediately.

Skin contact:

Drench contaminated clothing with water before removing to avoid risk of sparks from static electricity.

Remove contaminated clothing, contaminated footwear and dispose of safely.

Immediately wash with water and soap and rinse thoroughly.

Seek medical attention if skin irritation, swelling or redness develops and persists.

Eye contact:

Immediately rinse opened eyes for several minutes under running water keeping eyelids apart.

Remove contact lenses, if present and easy to do so.

Do not administer eye drops or other liquid without medical approval.

If irritation, blurred vision or swelling occurs and persists, obtain medical advice from a specialist.

Ingestion:

Except as a deliberate act, the ingestion of product is unlikely. If ingestion occurs, do not induce vomiting and SEEK MEDICAL CARE IMMEDIATELY.

If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration)

Do not give anything by mouth to an unconscious person.



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

Inhalation: Inhalation of vapors may cause headache, nausea, vomiting and an altered state of consciousness.

Skin: Causes skin irritation.

Eyes: Slight irritation.

Ingestion: Aspiration of liquid into the lungs may cause chemical pneumonia.

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

In case of ingestion, always assume that aspiration has occurred.

DO NOT INDUCE VOMITING

The victim should be sent to the hospital immediately.

Deliberate inhalation of vapors, mists or fumes of light petroleum distillates is potentially addictive, produces permanent brain and peripheral nervous system injury and may produce sudden death.

## 5. Fire fighting measures:

### 5.1. Extinguishing media

Suitable extinguishing agents:

Foam (trained personnel only), water fog (trained personnel only), carbon dioxide or dry chemical powder.

For safety reasons unsuitable extinguishing agents:

Do not use direct water jets on the burning product: they could cause splattering and spread the fire.

Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

### 5.2. Special hazards arising from the substance or mixture

It may form explosive gas-air mixtures.

Serious danger of explosion in confined spaces in the presence of an ignition source.

Vapors are heavier than air. They can accumulate in low places, penetrate in drains and reach ignition sources far from the release point.

Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide.

### 5.3. Advice for firefighters

Protective equipment:

In case of a large fire or where there is a risk of oxygen deficiency.

Wear self-contained respiratory protective device and fully protective suit.

Additional information:

Cool endangered receptacles with water spray.

Avoid and control the spill if there is no risk.

People involved in the operation must be kept away from tanks and stay on the windward side.

Keep unnecessary people away of the place.

Collect contaminated firefighting water separately. It must not enter the sewage system.



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### **6. Accidental Release Measures:**

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

Stop the leakage at the source, if there is no danger.

In confined places, ventilate the area.

Small spillages: normal antistatic working clothes are usually adequate.

Large spillages: full body suit of chemically resistant and antistatic material,

Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Work gloves (preferably gauntlets) providing adequate chemical resistance.

Avoid vapor inhalation. Avoid direct contact with released material.

#### 6.2 Environmental precautions:

Avoid and control the spill if there is no risk.

Stop or contain leak at the source, if safe to do so.

Prevent seepage into sewage system and cellars.

#### 6.3 Methods and material for containment and cleaning up:

Wipe up with absorbent material (dry earth, sand or similar non-combustible materials). Collect free product with suitable means.

Transfer collected product and other contaminated materials to suitable containers for recovery or safe disposal.

#### 6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

### **7. Handling and Storage:**

#### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep away from heat and direct sunlight.

Avoid vapor inhalation. Avoid contact with skin and eyes.

Do not eat, drink or smoke when using this product.

Beware of accumulation in low areas and confined spaces.

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

Keep the original containers in a dry, cool and well-ventilated place.

Keep away from heat and sources of ignition and from oxidizing agents.



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7.3 Specific end use(s)

See Section 1.

### **8. Exposure controls / personal protection\*:**

8.1 Control parameters

Exposure limit values

110-54-3 n-hexane

IOELV (EU) 72 mg/m<sup>3</sup>, 20 ppm

PEL (USA) 1800 mg/m<sup>3</sup>, 500 ppm

REL (USA) 180 mg/m<sup>3</sup>, 50 ppm

TLV (USA) 176 mg/m<sup>3</sup>, 50 ppm

Skin; BEI

92112-69-1 hexano, isomers

TLV(TWA) 500 ppm

TLV(STEL) 1000 ppm

DNEL

Oral 699 mg/kg/24h (popul) - long term systemic effects - repeated dose toxicity

Dermal 699 mg/kg bw/24h (popul) - long term systemic effects - repeated dose toxicity

773 mg/kg bw/24h (workers) - long term systemic effects

Inhalation 608 mg/m<sup>3</sup> (popul) - long term systemic effects - repeated dose toxicity

2035 mg/m<sup>3</sup> (workers) - long term systemic effects - repeated dose toxicity

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not eat, smoke or drink while handling.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Wear protective gloves resistant to solvents.

It is recommended to apply a hydrating cream after work.

Eye protection:

Wear safety glasses.

Body protection:



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Wear protective clothing.

Limitation and supervision of exposure into the environment

Handle and store according to regulations and applicable good practices.

Dispose according to the legislation in force.

### 9. Physical and Chemical Properties\*:

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

General Information

Appearance

Physical state liquid

Color Black

Odor Hydrocarbons

Important health, safety and environmental information

Point/boiling range 80-95°C

Flash point ca. -15°C

Ignition temperature ca 260°C

Lower explosive limit 1.0 vol.%

Upper explosive limit 7.0 vol%

Vapor pressure (at 25°C) ca. 250 mbar

Density (at 15°C) 0.750 g/ml

Solubility in water not miscible

Viscosity > 200 cps

Solvent content < 90%

#### 9.2 Other information

No further relevant information available.

### 10. Stability and Reactivity:

#### 10.1 Reactivity

See section 10.3.

#### 10.2 Chemical stability

Stable under normal conditions of use.

Thermal decomposition / conditions to be avoided

No decomposition when used according to specifications.

#### 10.3 Possibility of hazardous reactions

Dangerous reactions with strong oxidizing agents.

#### 10.4 Conditions to avoid

Protect from heat and direct sunlight.

Protect from ignition sources.

#### 10.5 Incompatible materials

Strong oxidizing agents.



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10.6 Hazardous decomposition products  
Carbon monoxide and dioxide.

### 11. Toxicological Information:

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification

Oral LD50 > 5840 mg/kg bw (rat)

Dermal LD50 > 2920 mg/kg bw (rat)

Inhalation LC50 > 25,200 mg/m<sup>3</sup> (rat)

Primary irritant effect:

In the skin

Causes skin irritation.

In the eyes

The contact with the product, its vapors or aerosols may produce a temporary irritation.

Inhalation

Inhalation of vapors may cause drowsiness and dizziness.

If swallowed

In case of vomiting, the aspiration of liquid into the lungs may occur, which may lead rapidly to development of chemical pneumonia.

Subacute to chronic toxicity

See Repeated Dose Toxicity

Additional toxicological information

Irritant

Sensitization

No sensitizing effects known

Repeated dose toxicity

Inhalative NOAEC/13 sem 8117 mg/m<sup>3</sup> (rat) - systemic

CMR data

Reproductive toxicity

Inhalation NOAEC (reprtox) - D 10,560 mg/m<sup>3</sup> (mouse)

31,680 mg/m<sup>3</sup> (rat)

NOAEC (reprtox) - F 31680 mg/m<sup>3</sup> (rat)





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### 12. Ecological Information\*:

#### 12.1 Toxicity

##### Aquatic toxicity

##### Acute toxicity - short term

EL50/48h (static) 3 - 22 mg/l (daphnia magna) (OECD Guideline 202)

35,57 mg/l (sewage treatment plant - microorganisms)

LL50/96h 11 - 46 mg/l (oncorhynchus mykiss) (OECD Guideline 203)

NOEL/72h 3 mg/l (algae) (OECD Guideline 201)

##### Chronic toxicity - long term

NOELR/21d 1 mg/l (daphnia magna) (OECD Guideline 211)

NOELR/28d 2,045 mg/l (oncorhynchus mykiss) (Modelo Petrotox) - growth rate

Classification: Toxic to aquatic life with long lasting effects.

#### 12.2 Persistence and degradability

Readily biodegradable.

Biodegradation: 98%, 28d (OECD 301 F)

Low potential to hydrolysis in the aquatic environment. This degradation process will not contribute to the removal from the environment.

The product does not have the potential to undergo photolysis in water and soil. This degradation process will not contribute to the removal from the environment.

##### Behavior in environmental systems:

##### Components:

Distribution in the environmental compartments (%):

Air: 98

Water: 1,3

Soil: 0

Sediments: 0,9

Biota: 0

Aerosol: 0

#### 12.3 Bioaccumulative potential

Product components don't meet bioaccumulation criteria: B or vB

#### 12.4 Mobility in soil

No further relevant information available.



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### 12.5 Results of PBT and vPvB assessment

PBT: The mixture does not meet PBT criteria.

vPvB: The mixture does not meet the vPvB criteria.

### 12.6 Other adverse effects

No further relevant information available.

## 13. Disposal Considerations\*:

### 13.1 Waste treatment methods

Recover or recycle if possible.

The residues of this product should be treated as hazardous waste.

#### Product

The generation of waste should be avoided or minimized wherever possible.

Waste product residues should not be disposed in the sewer.

Product surpluses must be disposed according to legislation in force in authorized plants.

Don't allow wastes to contaminate soil or water or to be released on the environment.

Disposal must comply with the requirements of environmental protection and waste disposal legislation.

#### European waste catalogue

08 04 09\* Waste adhesives and sealants containing organic solvents or other hazardous substances.

This code can be given only as a suggestion, according to the original composition of the product, and its intended (foreseeable) use(s).

The final user has the responsibility for the attribution of the most suitable code, according to the actual use(s) of the material, contaminations or changes.

#### Packaging

Package containing residues of or contaminated by dangerous substances: code for the waste 15 01 10\*

Contaminated packages must be delivered to licensed operators for this purpose.

Disposal of this product should comply with the requirements of environmental protection and waste disposal legislation. Recycle if possible.

## 14. Informações sobre transporte:

### 14.1 UN-Number

ADR, IMDG, IATA UN1287

### 14.2 UN proper shipping name

ADR 1287 RUBBER SOLUTION

IMDG RUBBER SOLUTION

IATA RUBBER SOLUTION



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14.3 Transport hazard class (es)



ADR  
Class 3 (F1) Flammable liquids.  
Label 3

IMDG



Class 3 Flammable liquids.  
Label 3

IATA



Class 3 Flammable liquids.  
Label 3

14.4 Packing group ADR, IMDG, IATA  
II

14.5 Environmental hazards

Environmentally hazardous substance, liquid; Marine Pollutant

Marine pollutant: Yes  
Symbol (fish and tree)

Special marking (ADR)  
Symbol (fish and tree)

14.6 Special precautions for user  
Warning: Flammable liquids.

Danger code (Kemler): 33  
EMS Number: F-E,S-E



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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
Not applicable

Transport/Additional information:  
ADR  
Limited quantities (LQ) 333 L  
Transport category 2

### 15. Regulatory Information\*:

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

Labelling according to Regulation (EC) No 1272/2008  
CLP label elements

15.2 Chemical safety assessment  
A Chemical Safety Assessment has been carried out to the main component.

### 16. Other Information\*:

Abbreviations and acronyms

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

c.a. = about

(\*) Indicates information that has changed from previously issued version.

The information provided in this safety data sheet is true and accurate to the best of our knowledge and belief at the date of publication. This information relates only to the specific material designated in this safety data sheet and may not be valid if it is used in combination with any other material.

It is user's responsibility its particular use.

The information given is designed only as guidance for safe use, handling, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

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