

**Safety Data Sheet**  
 According to 1907/2006/EC, amended by Regulation (EU) N°  
 2015/830

Printing date 29.08.2016

Version number 1000

Revision: 29.08.2016

## 1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Bufpal E - Activator for Rubber Surfaces
- **Internal identification code:** 480112
- **Main recommended uses for the substance or product:**  
 Rubber surfaces that will receive repairs or any process involving adhesion or curing  
 For further information consult the technical data sheet.
- **Uses advised against**  
 Remove all sources of ignition. Keep away from heat, open flames, hot surfaces, sparks and not smoke.  
 This product must not be used for applications other than those recommended in this section
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 VIPAL EUROPE SL  
 General Urrutia, street - 75 - 10-B  
 46013 - Valencia - Spain.  
 Phone.: + 34 963 259510 / + 34 963 259520  
 Fax.: + 34 963 281683
- **E-mail:** vipaleurope@vipal-eu.com
- **1.4 Emergency telephone number:**  
 +34 963 259510  
 Alessandro Campos

## 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Skin Irrit. 2	H315	Causes skin irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02   GHS07   GHS08   GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
 Naphtha (petroleum), full-range straight-run
- **Hazard statements**  
 H225      Highly flammable liquid and vapour.  
 H315      Causes skin irritation.  
 H335-H336      May cause respiratory irritation. May cause drowsiness or dizziness.  
 H304      May be fatal if swallowed and enters airways.

(Contd. on page 2)

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**Trade name: Bufpal E - Activator for Rubber Surfaces**

(Contd. of page 1)

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P235 Store in a well-ventilated place. Keep cool.

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

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**3 Composition/information on ingredients**

**Chemical characterisation:** Mixture

**Description:** Colorless liquid petroleum-naphtha-based.

**Dangerous components:**

CAS: 64741-46-4	Naphtha (petroleum), light straight-run	70-100%
EINECS: 265-046-8	Muta. 1A, H340; Carc. 1A, H350; Asp. Tox. 1, H304	

**Additional information:**

Note P: It is not necessary to classify the substance as cancerigenous, as it contains less than 0.1% m/m of benzene

For the wording of the listed hazard phrases refer to section 16.

**4 First aid measures**

**Protection of the First Aid Provider:**

Long trousers, long or short sleeved shirt or t-shirt, apron and/or waterproof overalls, nitrile gloves, closed shoes, safety goggles for chemical products and helmet.

**4.1 Description of first aid measures**

Long trousers, long or short sleeved shirt or t-shirt, apron and/or waterproof overalls, nitrile gloves, closed shoes, safety goggles for chemical products and helmet.

**After inhalation:**

Remove the victim to fresh air. If the victim is breathing with difficult, give oxygen. if necessary administer artificial respiration. Seek medical advice.

If case of indisposition, contact the TOXICOLOGY INFORMATION CENTER or a doctor. Bring this MSDS.

**After skin contact:**

Remove contaminated clothing. Wash exposed skin with large amounts of water for at least 30 minutes. Seek medical advice.

**After eye contact:**

Wash immediately with running water for at least 30 minutes, keeping eyelids open. If it's possible, remove contact lenses and seek immediate medical assistance.

**After swallowing:**

Do not induce vomit.

Thoroughly rinse the victim's mouth with water. Seek medical attention.

(Contd. on page 3)

**Safety Data Sheet**  
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Version number 1000

Revision: 29.08.2016

**Trade name: Bufpal E - Activator for Rubber Surfaces**

(Contd. of page 2)

- **4.2 Most important symptoms and effects, both acute and delayed**  
May cause skin irritation with dryness and redness.  
May cause eye irritation with tearing, pain and redness.  
May cause shortness of breath, cough, dizziness drowsiness, weakness, loss of consciousness and headache.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
Avoid contact with the product when helping the victim.  
If necessary, symptomatic treatment should include, above all, support measures to correction of hydro electrolytic and metabolic disturbances, and respiratory assistance.  
In case of skin contact not rub the affected site.

**5 Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Use chemical-powder (PQS), chemical-foam, or CO2 sprinkles. Use water-mist spout to cool down adjacencies.
- **For safety reasons unsuitable extinguishing agents:** Jet of water.
- **5.2 Special hazards arising from the substance or mixture**  
Dangerous when exposed to excessive heat or other sources of ignition.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Self-contained breathing apparatus (SCBA), complete protective clothing, and leather gloves.

**6 Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **For people who are not part of the emergency services:**  
Eliminate all ignitions sources. Do not smoke.  
Do not touch nor walk over spilt product.  
Avoid inhalation, contact with eyes and skin.
- **For people part of the emergency services:**  
Isolate the area in a radius of at least 50 meters, in all directions.  
Use waterproof protection clothes, nitrile gloves, closed shoes, protection goggles, and breathing mask for organic vapors.  
Maintain unauthorized people away.
- **6.2 Environmental precautions:**  
Stop leaking avoiding contact with the skin and with clothes.  
Isolate the area of the accident.  
Prevent seepage into sewage system, workpits and cellars.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Collect the material and put it into adequate containers, duly labeled for further treatment and disposal.  
Using water mist or vapor suppressing foam to reduce the dispersion of vapors
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

GB

(Contd. on page 4)

**Safety Data Sheet**  
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2015/830

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Version number 1000

Revision: 29.08.2016

**Trade name: Bufpal E - Activator for Rubber Surfaces**

(Contd. of page 3)

## 7 Handling and storage

### · 7.1 Precautions and directions for safe handling:

Handle the product in ventilated area or with general ventilation/exhaust system.

Avoid incompatible materials contact.

Avoid the formation of vapors or mists.

### · Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Avoid the formation of static loads.

### · Hygienic measures:

Wash your hands before eating, drinking, smoking or using the toilet. Contaminated clothing should be changed and washed before reuse.

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

#### · Storage:

#### · Prevention of fire and explosions:

Remove all sources of ignition. Keep away from heat, open flames, hot surfaces, sparks and not smoke.

Inspect containers for damage or leaks before handling them.

#### · Information about storage in one common storage facility: Store away from foodstuffs.

### · 7.3 Specific end use(s) Rubber surfaces that will receive repairs or any process involving adhesion or curing

## 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

### · 8.1 Control parameters

#### · **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Ingredients with biological limit values:** Non-biological indicators of exposure were established.

### · 8.2 Engineering control measures:

Provide mechanical ventilation and exhaust system so to maintain the vapor concentration lower than the tolerance limit.

#### · **Personal protective equipment:**

##### · **Respiratory protection:**

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.

Recommended: Half-face mask with filter for organic vapors.

##### · **Protection of hands and body:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Use waterproof clothes.

Recommended: Nitrile gloves

· **Thermal Hazards:** Not available.

(Contd. on page 5)

**Safety Data Sheet**  
 According to 1907/2006/EC, amended by Regulation (EU) N°  
 2015/830

Printing date 29.08.2016

Version number 1000

Revision: 29.08.2016

**Trade name: Bufpal E - Activator for Rubber Surfaces**

(Contd. of page 4)

**· Eye protection:**


Tightly sealed goggles

**· Limitation and supervision of exposure into the environment**

Steam aspiration systems must be projected in observance to local regulations concerning limits of emission of volatiles substances.

**9 Physical and chemical properties**
**· Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>· Odour and odour limit:</b>	Characteristic

<b>· pH:</b>	Not available.
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**· Change in condition**

<b>Melting point/freezing point:</b>	Not available.
<b>Initial boiling point and temperature range:</b>	65-125 °C (naphtha)

<b>· Flash point:</b>	-35 °C (naphtha) closed cup
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<b>· Flammability (solid, gaseous):</b>	Flammable.
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<b>· Decomposition temperature:</b>	Not available
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<b>· Self-igniting:</b>	Not available
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**· Lower/upper limit of flammability or explosiveness:**

<b>Lower:</b>	Not available
<b>Upper:</b>	Not available

**· Density:**

<b>Relative density at 23 °C</b>	0.66 g/cm <sup>3</sup> (naphtha)
<b>Vapour density</b>	Not available

**· Solubility:**

<b>water:</b>	Insoluble.
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<b>· Partition coefficient (n-octanol/water):</b>	4.85 log kow (naphtha)
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**· Viscosity:**

<b>Dynamic:</b>	Not available.
<b>Kinematic:</b>	Not available.

<b>· 9.2 Other information</b>	No further relevant information available.
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**10 Stability and reactivity**
**· 10.1 Reactivity and chemical stability:**

Stable in normal use conditions.  
 May have reactions with incompatible materials.

(Contd. on page 6)

**Safety Data Sheet**  
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 2015/830

Printing date 29.08.2016

Version number 1000

Revision: 29.08.2016

**Trade name: Bufpal E - Activator for Rubber Surfaces**

(Contd. of page 5)

- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Elevated temperatures. Ignition sources and incompatible materials contact.
- **10.5 Incompatible materials:** Strong oxidizers and acids.
- **10.6 Hazardous decomposition products:**  
 A toxic gas mixture is formed upon combustion, chiefly containing CO<sub>2</sub> and CO.

## \* 11 Toxicological information

- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**  
 Product not classified as acute toxic.

### 64741-46-4 Naphtha (petroleum), light straight-run

Oral	LD50	5000 mg/kg
Dermal	LD50	3000 mg/kg

- **Skin corrosion/irritation:** It causes skin irritation with dryness, redness, and cracks.
- **Serious eye damage/irritation:** It can cause eye irritation accompanied by redness.
- **Respiratory or skin sensitisation:**  
 May cause dermatitis with dryness by repeated or prolonged exposure. Not expected to give rise sensitization breathing.
- **Germ cell mutagenicity:** It is not expected mutagenic effects in germ cells.
- **Carcinogenicity:** It is not expected that the product presents carcinogenicity to humans.
- **Reproductive toxicity:** It is not expected to present toxicity to reproduction and lactation.
- **Toxicity for specific target organ-single exposure:**  
 It can cause respiratory tract irritation and narcotic effects with breathlessness, cough, dizziness, drowsiness, weakness, loss of consciousness and headache.
- **Toxicity for specific target organ-repeated exposure:**  
 It is not expected that the product presents effects of toxicity for specific target organs by repeated exposure.
- **Aspiration hazard:** The aspiration of the product may cause pulmonary edema and chemical pneumonitis.

## \* 12 Ecological information

- **Ecotoxicity:**  
 Very toxic to aquatic life with long lasting effects.  
 EC50 (algae, 96h): 0,26 mg/L
- **12.2 Persistence and degradability**  
 Due to the absence of data, it is expected that the product presents persistence and is not rapidly degraded.
- **12.3 Bioaccumulative potential** It is expected bioaccumulative potential in aquatic organisms. Log Kow: 4.85.
- **12.4 Mobility in soil** Undetermined.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

GB

(Contd. on page 7)



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 2015/830

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Version number 1000

Revision: 29.08.2016

**Trade name: Bufpal E - Activator for Rubber Surfaces**

(Contd. of page 6)

**13 Disposal considerations**

**· 13.1 Waste treatment methods:**

**· Product:**

Packaging (plastic and/or cardboard), if not contaminated, should be discarded in accordance to present law. Must be disposed of as hazardous waste in accordance with local regulations. The treatment and disposal must be evaluated for each particular product. Federal, state and municipal laws should be consulted.

**· Product remains:**

Keep the product remains in its original packaging and properly closed. Disposal should be carried out as established for the product.

**· Uncleaned packaging:**

**· Recommendation:**

Do not reuse empty containers. These may contain residues of the product and should be kept closed and sent for proper disposal as required for the product.

**14 Transport information**

**· 14.1 UN-Number**

**· ADR, IMDG, IATA**

UN1268

**· 14.2 UN proper shipping name**

**· ADR**

1268 PETROLEUM PRODUCTS, N.O.S.

**· IMDG**

PETROLEUM DISTILLATES, N.O.S.

**· IATA**

PETROLEUM DISTILLATES, N.O.S.

**· 14.3 Transport hazard class(es)**

**· ADR, IMDG, IATA**

**· Class**

3 Flammable liquids.

**· Label**

3

**· 14.4 Packing group**

**· ADR, IMDG, IATA**

II

**· 14.5 Environmental hazards:**

**· Marine pollutant:**

Yes

**· 14.6 Special precautions for user**

Warning: Flammable liquids.

**· EMS Number:**

F-E,S-E

**· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

**· Transport/Additional information:**

**· ADR**

**· Limited quantities (LQ)**

Not available.

**· Excepted quantities (EQ)**

Not available.

**· Tunnel restriction code**

Not applicable

**· IMDG**

Waterway:

IMO - "International Maritime Organization"

International Maritime Dangerous Goods Code (IMDG

Code)

(Contd. on page 8)

## Safety Data Sheet

According to 1907/2006/EC, amended by Regulation (EU) N°  
2015/830

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Version number 1000

Revision: 29.08.2016

**Trade name: Bufpal E - Activator for Rubber Surfaces**

(Contd. of page 7)

· <b>Limited quantities (LQ)</b>	1L
· <b>IATA</b>	Aerial: IATA - "International Air Transport Association" Dangerous Goods Regulation (DGR)
· <b>UN "Model Regulation":</b>	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, II

### 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**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*Naphtha (petroleum), full-range straight-run*
- **Hazard statements**  
H225    *Highly flammable liquid and vapour.*  
H315    *Causes skin irritation.*  
H335-H336    *May cause respiratory irritation. May cause drowsiness or dizziness.*  
H304    *May be fatal if swallowed and enters airways.*  
H410    *Very toxic to aquatic life with long lasting effects.*
- **Precautionary statements**  
P210    *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*  
P202    *Do not handle until all safety precautions have been read and understood.*  
P301+P310    *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*  
P305+P351+P338    *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
P403+P235    *Store in a well-ventilated place. Keep cool.*  
P501    *Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Directive 2012/18/EU**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 5, 28, 29
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
This form provides information on protection, health, safety and the environment. Note that the handling of any chemical substance requires prior knowledge of its dangers to users.

(Contd. on page 9)



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**Trade name: Bufpal E - Activator for Rubber Surfaces**

(Contd. of page 8)

The company using the product is responsible for providing training for its employees and hired parties with regards to the possible adverse risks of the product.

· **Training hints**

The user of this product should be qualified for handling, operation and application of the product.

· **Classification according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Abbreviations and acronyms:**

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Muta. 1A: Germ cell mutagenicity – Category 1A

Carc. 1A: Carcinogenicity – Category 1A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· **Sources**

SYSTEM OF CHEMICAL EXPOSURE HAZARD (SIRETOX). Available at: <<http://www.siretox.com.br>>. Access: sep. 2015.

[www.osha.gov](http://www.osha.gov)

BR Petrobras Distribuidora. Material Safety Data Sheet, Solbrax 55/75. Revision 5, 2015.

· **\* Data compared to the previous version altered.**

Amendments regarding the update of the Purple Book.