



SAFETY DATA SHEET
BELZONA® 9111 (CLEANER/DEGREASER)

1. IdentificationProduct identifier

Product name BELZONA® 9111 (CLEANER/DEGREASER)
Product number SN2741

Recommended use of the chemical and restrictions on use

Application General purpose cleaner/degreaser. Please refer to the relevant Belzona® Instructions For Use for further information. For industrial use only.

Uses advised against The product should not be used for purposes other than those recommended in the appropriate Instructions For Use (IFU) leaflet.

Details of the supplier of the safety data sheet

| | | |
|-----------------|---|---|
| Supplier | Belzona Inc. 14300 NW 60th Ave. Miami Lakes FL 33014 USA sds@belzona.com 1-305-594-4994 | Belzona Canada Inc. 51-588 Edward Avenue Richmond Hill Ontario, L4C 9Y6 CANADA sds@belzona.com 1-905-737-2225 |
|-----------------|---|---|

Manufacturer Belzona Inc.
14300 NW 60th Ave.
Miami Lakes
FL 33014
USA
1-305-594-4994
sds@belzona.com

Emergency telephone number

Emergency telephone ChemTel: 1-800-255-3924 (North America)
ChemTel: +1 813-248-0585 (International)

2. Hazard(s) identificationClassification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

Physical hazards Flam. Liq. 4 - H227

Health hazards Asp. Tox. 1 - H304

Label elementsPictogram

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| | |
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| Signal word | Danger |
| Hazard statements | H227 Combustible liquid. H304 May be fatal if swallowed and enters airways. |
| Precautionary statements | P210 Keep away from flames and hot surfaces. -No smoking. P280 Wear protective gloves, eye and face protection. P301+310 If swallowed: Immediately call a poison center or doctor. P331 Do NOT induce vomiting. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container in accordance with all Federal, State/Provincial and local regulations. |
| Other hazards | Not applicable. |
| Hazards not otherwise classified (HNOC) | Not applicable. |

3. Composition/information on ingredients**Mixtures**

| | |
|--|----------------|
| NAPHTHA (PETROLEUM), HYDROTREATED HEAVY | 60-100% |
| CAS number: 64742-48-9 | |

4. First-aid measures**Description of first aid measures**

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| General information | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| Inhalation | Remove to fresh air. Keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice. |
| Ingestion | If accidentally swallowed obtain immediate medical attention. Keep at rest. Rinse mouth with plenty of water. Do NOT induce vomiting. |
| Skin Contact | Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. If irritation or inflammation persists, seek medical attention. |
| Eye contact | Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart, and seek medical advice. |

Most important symptoms and effects, both acute and delayed

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| General information | Exposure to organic solvent vapors may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. |
| Inhalation | Exposure to vapors may result in irritation of the mucous membrane and the respiratory system. May cause nausea, headache, dizziness and intoxication. |
| Ingestion | Inadvertent ingestion may result in the following effects: sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhea. Aspiration of solvent vapors into the lungs may cause severe pulmonary problems. |

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Skin contact Prolonged or repeated contact with the skin may lead to irritation, blistering, dermatitis or removal of natural fats from the skin resulting in absorption through the skin.

Eye contact Product splashes in the eye may cause slight irritation. Vapor may irritate eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor None.

5. Fire-fighting measures**Extinguishing media**

Suitable extinguishing media Use: sand, foam, carbon dioxide, chemical powder or water fog for larger fires. Do NOT use water jet.

Special hazards arising from the substance or mixture

Flammability Class 3.1 Combustible Liquid IIIA

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂).

Advice for firefighters

Protective actions during firefighting Fire will produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health. Appropriate positive-pressure self-contained breathing apparatus (SCBA) and full fire fighting turn-out gear (Bunker gear) should be worn. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains, sewers, ditches or waterways.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions No action shall be taken without appropriate training or involving any personal risk. Exclude non-essential personnel. Exclude sources of ignition and ventilate the area. Keep up-wind of spill to avoid breathing vapors. Avoid contact with skin and eyes.

Environmental precautions

Environmental precautions Prevent spills from entering drains or sewers. If the product enters drains or sewers in large quantities, the local Water Company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the appropriate National regulating agency.

Methods and material for containment and cleaning up

Methods for cleaning up Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place into a suitable labeled container. Clean surfaces down with a water and detergent mixture. Do not allow spilled product or the associated washings to enter surface water drains or watercourses.

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13. .

7. Handling and storage**Precautions for safe handling**

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Usage precautions

GENERAL Avoid inhalation of vapors. Keep the container tightly closed when not in use. Prevent air-borne concentrations higher than the occupational exposure limits (see Section 8). Exclude non-essential personnel. Minimise the number of employees exposed and the duration of their exposure. Avoid contact with eyes, skin and clothing. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection see Section 8. Always keep in containers made of the same material as the supply container. Good housekeeping methods and regular safe removal of waste materials should be observed. . Refer to the guide weight on the container/package when carrying out assessments. FIRE/EXPLOSION This product is combustible. Exclude sources of heat, sparks and open flame. Vapors are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor with air. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards. Ensure emergency equipment (for fires, spills, leaks, etc.) is readily available.

Conditions for safe storage, including any incompatibilities

Storage precautions

Observe the label precautions. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Have appropriate fire extinguishers available in and near the storage area. ENVIRONMENTAL STORAGE PRECAUTIONS Spillage, incorrect storage of chemicals or waste materials or unsuitable disposal activities can result in pollutants seeping through the soil, causing serious harm to groundwater- which is a vital source of drinking water. All wastes especially liquid wastes, should be securely stored on site in designated areas that are isolated from waterways and groundwater and diked to contain any spillages.

Specific end uses(s)

Specific end use(s)

Application by brush or swabbing. Single component material. This product does not require mixing with another component before use. Please refer to the relevant Belzona® Instructions For Use for further information.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

Long-term exposure limit (8-hour TWA): OSHA 500 ppm, 2000 mg/m³, petroleum distillates (naphtha, rubber solvent).

Long-term exposure limit (8-hour TWA): ACGIH 1200 mg/m³, C9-C15 alkanes.

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

Ingredient comments

Those occupational exposure limits that are marked 'SUP' are assigned by the supplier of the substance. Exposure to chemicals assigned occupational exposure limits should be controlled using the most effective and reliable measures, proportional to the health risk, which minimise their escape and spread. All relevant exposure routes should be taken into account.

Exposure controls

Appropriate engineering controls

Use in well ventilated areas or provide adequate mechanical ventilation. If these are not sufficient to maintain concentrations of vapors below the relevant occupational exposure limits, suitable respirators should be worn (see 'Respiratory protection' below).

Eye/face protection

It is recommended that eye protection, for example safety glasses with side shields or goggles are worn at all times during the handling and use of this material. .

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Hand protection

. The breakthrough time of the gloves selected should exceed the expected use period. Where this is not possible, gloves should be changed in good time, and in any case before the breakthrough time is exceeded. Where doubt exists, advice should be sought from manufacturers or vendors of protective gloves in order to determine appropriate types for the particular circumstances. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred. **SPECIFIC RECOMMENDATIONS** Wear protective gloves made of the following material: Neoprene. Nitrile rubber. **STANDARD APPLICATIONS / EMERGENCY SITUATIONS** Medium-heavy weight gauntlet type gloves that provide wrist protection are suitable. **APPLICATION OF SMALL QUANTITIES** Light weight disposable gloves are normally suitable.

Other skin and body protection

STANDARD APPLICATIONS Synthetic polyethylene coveralls such as the Tyvek PRO-TECH® or equivalent coveralls manufactured to provide protection against liquid chemicals should be worn. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. **APPLICATION OF SMALL QUANTITIES** Cotton overalls are normally suitable.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Ensure eye wash facilities (fountain, bottle, vials, etc.) are readily available. Do not put contaminated articles or equipment e.g. spatulas, applicators, brushes, cloths etc., into pockets. Where necessary, contaminated work clothing and shoes should be removed to prevent cross contamination of surfaces and the risk of inadvertent skin contact and ingestion.

Respiratory protection

It is essential that the concentration of the contaminant(s) in the application environment does not exceed the applicable occupational exposure limit(s) multiplied by the Assigned Protection Factor (APF) quoted for the respiratory protective equipment selected. **STANDARD APPLICATIONS** Where necessary, it is recommended that an OSHA/NIOSH approved air-purifying full facepiece respirator equipped with appropriate vapor cartridge(s) should be worn. Where the application environment is likely to be contaminated by significant concentrations of dust then the appropriate particulate prefilter (N-, R- or P-series) should be worn in combination with the above. It is essential that the facepiece is correctly fitted and the filter is changed in accordance with the manufacturer's instructions. **APPLICATION OF SMALL QUANTITIES** Not normally required when this product is handled and applied in well ventilated areas.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

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| Appearance | Liquid. |
| Color | Water-white. |
| Odor | Odorless or no characteristic odor. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point | Not available. |
| Initial boiling point and range | 189-209°C/372-408°F @ 760 mm Hg |
| Flash point | 62°C/144°F CC (Closed cup). |
| Evaporation rate | 0.09 (butyl acetate = 1) |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | Lower flammable/explosive limit: 0.7% Upper flammable/explosive limit: 5.3% |

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| Vapor pressure | 0.041 kPa @ 20°C |
| Vapor density | 5.6 |
| Relative density | 0.765 @ 15°C/59°F |
| Solubility(ies) | Insoluble in water. |
| Partition coefficient | Not available. |
| Auto-ignition temperature | 335°C/635°F |
| Decomposition Temperature | Not available. |
| Viscosity | 1.56 cSt @ 40°C/104°F 2.02 cSt @ 25°C/77°F |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |
| Other information | This section contains typical values for Health, Safety and Environmental guidance only and is not intended to represent a technical specification for the product. |

10. Stability and reactivity

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| Reactivity | There are no known reactivity hazards associated with this product. |
| Stability | Stable under recommended storage and handling conditions (see Section 7). |
| Possibility of hazardous reactions | No hazardous reactions expected when stored and handled as recommended. |
| Conditions to avoid | Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharges. |
| Materials to avoid | Avoid contact with the following materials: Strong oxidizing agents. Strong acids. Strong alkalis. |
| Hazardous decomposition products | Does not decompose when used and stored as recommended. |

11. Toxicological information**Information on toxicological effects****Acute toxicity - oral**

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitization

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| Respiratory sensitization | Based on available data the classification criteria are not met. |
| <u>Skin sensitization</u> | |
| Skin sensitization | Based on available data the classification criteria are not met. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | Based on available data the classification criteria are not met. |
| Genotoxicity - in vivo | Based on available data the classification criteria are not met. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | Based on available data the classification criteria are not met. |
| IARC carcinogenicity | Not listed. |
| NTP carcinogenicity | Not listed. |
| OSHA Carcinogenicity | Not listed. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | Based on available data the classification criteria are not met. |
| Reproductive toxicity - development | Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | Based on available data the classification criteria are not met. |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | May be fatal if swallowed and enters airways. Kinematic viscosity $\leq 20.5 \text{ mm}^2/\text{s}$. |
| Route of entry | Inhalation Ingestion Skin and/or eye contact |

12. Ecological Information

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| <u>Toxicity</u> | |
| Toxicity | This product is not expected to present an environmental hazard under current legislation. |
| <u>Persistence and degradability</u> | |
| Persistence and degradability | The product is expected to be biodegradable. |
| <u>Bioaccumulative potential</u> | |
| Bio-Accumulative Potential | No data available on bioaccumulation. |
| Partition coefficient | Not available. |
| <u>Mobility in soil</u> | |
| Mobility | No data available. |
| <u>Results of PBT and vPvB assessment</u> | |
| Results of PBT and vPvB assessment | Not applicable. |
| <u>Other adverse effects</u> | |
| Other adverse effects | None known. |

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13. Disposal considerations

Waste treatment methods

General information

All cleaning/degreasing operations should be carried out in areas away from surface and foul water systems. Where this is not possible the surface and foul water systems should be isolated by suitable damming techniques.

Disposal methods

GENERAL Do NOT dump into any sewers, on the ground, or into any body of water. Controlled wastes include non-hazardous industrial and hazardous chemical wastes. Disposal must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations are the responsibility solely of the waste generator. . . COMPONENT DISPOSAL TRANSIT PACKAGING: shrink or stretch wrap, boxes and fittings that have not been contaminated with product should be re-used or recycled. UNUSED PRODUCT: spilled product that has been decontaminated in accordance with the procedure described in Section 6, or uncleaned containers and contaminated packaging may qualify as hazardous chemical waste as defined in 40 CFR 261.20-24.

Waste class

. . EU waste class is not relevant in the USA and Canada. .

14. Transport information

General

Labeling and packaging requirements may vary with pack and load size. Please refer to the current transport regulations. Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

UN Number

DOT: Not applicable if shipped in original container.

TDG/IMDG/ICAO: Not applicable.

UN proper shipping name

DOT: Not applicable if shipped in original container.

TDG/IMDG/ICAO: Not applicable.

Transport hazard class(es)

DOT: Not applicable if shipped in original container.

TDG/IMDG/ICAO: Not applicable.

Packing group

DOT: Not applicable if shipped in original container.

TDG/IMDG/ICAO: Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not carried in bulk.

15. Regulatory information

BELZONA® 9111 (CLEANER/DEGREASER)**Regulatory References**

Canadian WHMIS 1988 classification: B3 D2B

US Federal Regulations**SARA 313 Emission Reporting**

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA (311/312) Hazard Categories

Fire
Acute

US State Regulations**State Regulations Comments**

U.S California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.

Inventories**Canada - DSL/NDSL**

DSL

US - TSCA

All the ingredients are listed or exempt.

16. Other information**General information**

The information contained within this safety data sheet does not constitute the users own assessment of workplace risks as may be required by other Local Regulations. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant Local Regulations are complied with. To the best of our knowledge, the information contained herein is accurate. However, some of the information presented and conclusions drawn are derived from sources other than direct test data on the product itself and while Belzona Inc. believes such sources to be reliable, the information is provided without any warranty regarding its correctness.

Since Belzona Inc. has no control over the conditions under which the product will be used, liability will not be assumed to exceed replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties including implied warranties of merchantability or fitness for a particular purpose. Belzona Inc. assumes no liability for injury or incidental or consequential damage arising out of the storage, handling, use or, disposal of this product.

Training advice

For further information please contact your supplier, Belzona consultant or Belzona direct.

Revision comments

REVISION. This material safety data sheet has been revised in the following Section(s): All Sections. Please observe the REVISION DATE. Should you be reading a material safety data sheet that is more than 24 months old or have concerns over its validity, please contact your local Belzona Distributor or Belzona direct (sds@belzona.com) and the most current information will be sent to you.

Revision date

1/13/2016

Revision

8.0

SDS No.

41029

SDS status

English (North American). Approved.

Hazard statements in full

H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.

BELZONA® 9111 (CLEANER/DEGREASER)

NFPA

Health 1, Flammability 2, Instability 0