



## 1. Identification

Product name : Sikadur® 42 Grout-Pak Part B

Supplier : Sika Corporation

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USA  
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INTERNATIONAL: 703-527-3887  
ehs@sika-corp.com

Recommended use of the chemical and restrictions on use : For further information, refer to the product technical data sheet.

## 2. Hazards identification

### GHS Classification

|   |  |
|---|--|
| Acute toxicity, Category 4 (Oral)   | H302: Harmful if swallowed.                                |
| Skin corrosion, Category 1B   | H314: Causes severe skin burns and eye damage.             |
| Serious eye damage, Category 1  | H318: Causes serious eye damage.                           |
| Skin sensitization, Category 1  | H317: May cause an allergic skin reaction.                 |
| Carcinogenicity, Category 2   | H351: Suspected of causing cancer.                         |
| Reproductive toxicity, Category 2   | H361: Suspected of damaging fertility or the unborn child. |
| Specific target organ systemic toxicity - single exposure, Category 3, Respiratory system | H335: May cause respiratory irritation.                    |

### GHS Label element

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statements : **Prevention:**



P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P260 Do not breathe dust or mist.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P281 Use personal protective equipment as required.

**Response:**

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
 P310 Immediately call a POISON CENTER or doctor/ physician.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P363 Wash contaminated clothing before reuse.

**Storage:**

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

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

Warning : Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain,liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

See Section 11 for more detailed information on health effects and symptoms.

**3. Composition/information on ingredients**

**Hazardous ingredients**

| Chemical Name                 | CAS-No.    | Concentration (%) |
|-------------------------------|------------|-------------------|
| 3,6-dioxaoctamethylenediamine | 929-59-9   | >= 25 - < 50 %    |
| Phenol, 4-nonyl, branched     | 84852-15-3 | >= 10 - < 20 %    |



|  |            |                |
|--|------------|----------------|
| Polyoxypropylenediamine                  | 9046-10-0  | >= 10 - < 20 % |
| Benzyl alcohol                           | 100-51-6   | >= 5 - < 10 %  |
| Isophoronediamine                        | 2855-13-2  | >= 5 - < 10 %  |
| solvent naphtha (petroleum), heavy arom. | 64742-94-5 | >= 5 - < 10 %  |
| 2,4,6-tris(dimethylaminomethyl)phenol    | 90-72-2    | >= 5 - < 10 %  |
| 1-methylnaphthalene                      | 90-12-0    | >= 1 - < 2 %   |
| Naphthalene, pure                        | 91-20-3    | >= 1 - < 2 %   |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### 4. First aid measures

- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Health injuries may be delayed.  
corrosive effects  
irritant effects  
sensitizing effects  
  
Gastrointestinal discomfort  
Cough  
Respiratory disorder  
Allergic reactions  
Dermatitis  
See Section 11 for more detailed information on health effects and symptoms.
- Protection of first-aiders : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.
- Notes to physician : Treat symptomatically.

**5. Fire-fighting measures**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- 

**6. Accidental release measures**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Deny access to unprotected persons.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.
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**7. Handling and storage**

- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).  
Do not get in eyes, on skin, or on clothing.  
For personal protection see section 8.  
Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Store in original container.  
Keep in a well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Store in accordance with local regulations.
- Materials to avoid : no data available
-



**8. Exposure controls/personal protection**

| Component         | CAS-No. | Basis ** | Value | Exposure limit(s)* / Form of exposure |
|-------------------|---------|----------|-------|---------------------------------------|
| Naphthalene, pure | 91-20-3 | ACGIH    | TWA   | 10 ppm                                |
|                   |         | ACGIH    | STEL  | 15 ppm                                |
|                   |         | OSHA Z-1 | TWA   | 10 ppm<br>50 mg/m3                    |
|                   |         | OSHA P0  | TWA   | 10 ppm<br>50 mg/m3                    |
|                   |         | OSHA P0  | STEL  | 15 ppm<br>75 mg/m3                    |

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**\*\*Basis**

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminat (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

**Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Personal protective equipment**

Respiratory protection : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection  
Remarks

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.



|                          |   |
|--------------------------|---|
| Eye protection           | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.   |
| Skin and body protection | : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  |
| Hygiene measures         | : Avoid contact with skin, eyes and clothing.<br>Wash hands before breaks and immediately after handling the product.<br>Remove contaminated clothing and protective equipment before entering eating areas.<br>Wash thoroughly after handling. |

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**9. Physical and chemical properties**

|  |  |
|--|--|
| Appearance                                 | : liquid                                     |
| Color                                      | : yellow                                     |
| Odor                                       | : amine-like                                 |
| Odor Threshold                             | : no data available                          |
| Flash point                                | : > 212 °F (> 100 °C)                        |
| Ignition temperature                       | : not applicable                             |
| Decomposition temperature                  | : no data available                          |
| Lower explosion limit (Vol%)               | : no data available                          |
| Upper explosion limit (Vol%)               | : no data available                          |
| Flammability (solid, gas)                  | : no data available                          |
| Oxidizing properties                       | : no data available                          |
| Autoignition temperature                   | : no data available                          |
| pH   | : no data available                          |
| Melting point/range /<br>Freezing point    | : no data available                          |
| Boiling point/boiling range                | : no data available                          |
| Vapor pressure                             | : no data available                          |
| Density                                    | : 0.99 g/cm <sup>3</sup><br>at 73 °F (23 °C) |
| Water solubility                           | : Note: soluble                              |
| Partition coefficient: n-<br>octanol/water | : no data available                          |



|  |   |  |
|--|---|--|
| Viscosity, dynamic                       | : | no data available                              |
| Viscosity, kinematic                     | : | > 20.5 mm <sup>2</sup> /s<br>at 104 °F (40 °C) |
| Relative vapor density                   | : | no data available                              |
| Evaporation rate                         | : | no data available                              |
| Burning rate                             | : | no data available                              |
| Volatile organic compounds (VOC) content | : | 30 g/l<br>A+B+C Combined                       |

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## 10. Stability and reactivity

|                                    |   |   |
|------------------------------------|---|---|
| Reactivity                         | : | No dangerous reaction known under conditions of normal use. |
| Chemical stability                 | : | The product is chemically stable.                           |
| Possibility of hazardous reactions | : | Stable under recommended storage conditions.                |
| Conditions to avoid                | : | no data available   |
| Incompatible materials             | : | no data available   |

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## 11. Toxicological information

### Acute toxicity

#### Product

|                           |   |                       |
|---------------------------|---|-----------------------|
| Acute oral toxicity       | : | Harmful if swallowed. |
| Acute inhalation toxicity | : | no data available     |
| Acute dermal toxicity     | : | no data available     |

#### Ingredients:

##### **Phenol, 4-nonyl, branched :**

Acute dermal toxicity : LD50 Dermal rabbit: 3,160 mg/kg

##### **Benzyl alcohol :**

Acute oral toxicity : LD50 Oral rat: 1,230 mg/kg

Acute inhalation toxicity : LC50 rat: 4.178 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

##### **Isophoronediamine :**



Acute oral toxicity : LD50 Oral rat: 1,030 mg/kg

**Skin corrosion/irritation****Product**

Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation****Product**

no data available

**Respiratory or skin sensitization****Product**

May cause an allergic skin reaction.

**Germ cell mutagenicity****Product**

Mutagenicity : no data available

**Carcinogenicity****Product**

Carcinogenicity : Suspected of causing cancer.

**IARC**

Group 2B: Possibly carcinogenic to humans

**NTP**

Naphthalene, pure 91-20-3  
Reasonably anticipated to be a human carcinogen  
Naphthalene, pure 91-20-3

**Reproductive Toxicity/Fertility****Product**

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

**Reproductive Toxicity/Development/Teratogenicity****Product**

Teratogenicity : no data available

**STOT-single exposure****Product**

Assessment: May cause respiratory irritation.

**STOT-repeated exposure**

Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Product**





Assessment: no data available

**Aspiration toxicity****Product**

no data available

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**12. Ecological information**

|                   |  |
|-------------------|--|
| Other information | Do not empty into drains; dispose of this material and its container in a safe way.<br>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.<br>Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>May be harmful to the environment if released in large quantities.<br>Water polluting material. |
|-------------------|--|

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**13. Disposal considerations****Disposal methods**

|                        |  |
|------------------------|--|
| Waste from residues    | : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. |
| Contaminated packaging | : Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

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**14. Transport information****DOT**

|                          |   |
|--------------------------|---|
| UN number                | 3267  |
| Description of the goods | Corrosive liquid, basic, organic, n.o.s.<br>(Cycloaliphatic amine, Phenol, 4-nonyl, branched) |
| Class                    | 8   |
| Packing group            | II  |
| Labels                   | 8   |
| Emergency Response       | 153   |
| Guidebook Number         |   |

**IATA**

|                          |   |
|--------------------------|---|
| UN number                | 3267  |
| Description of the goods | Corrosive liquid, basic, organic, n.o.s.<br>(Cycloaliphatic amine, Phenol, 4-nonyl, branched) |



|  |      |
|--|------|
| Class                                    | 8    |
| Packing group                            | II   |
| Labels                                   | 8    |
| Packing instruction (cargo aircraft)     | 855  |
| Packing instruction (passenger aircraft) | 851  |
| Packing instruction (passenger aircraft) | Y840 |

**IMDG**

|                          |  |
|--------------------------|--|
| UN number                | 3267   |
| Description of the goods | CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Cycloaliphatic amine, Phenol, 4-nonyl, branched) |
| Class                    | 8  |
| Packing group            | II   |
| Labels                   | 8  |
| EmS Number 1             | F-A  |
| EmS Number 2             | S-B  |
| Marine pollutant         | yes  |

DOT: For Limited Quantity exceptions reference 49 CFR 173.154 (b)

IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4

**Special precautions for user**

no data available

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

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**15. Regulatory information**

**TSCA list** : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**EPCRA - Emergency Planning and Community Right-to-Know****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA304 Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard  
Chronic Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:  
Naphthalene, pure 91-20-3 1.80 %

**Clean Air Act**

**Ozone-Depletion Potential** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Naphthalene, pure 91-20-3 1.80 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**California Prop 65** WARNING! This product contains a chemical known in the State of California to cause cancer.

**16. Other information**

**HMIS Classification**

|                            |   |   |
|----------------------------|---|---|
| <b>Health</b>              | * | 3 |
| <b>Flammability</b>        |   | 1 |
| <b>Physical Hazard</b>     |   | 0 |
| <b>Personal Protection</b> |   | X |

**Caution:** HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

**Notes to Reader**

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Safety Data Sheet

**Sikadur® 42 Grout-Pak Part B**

Revision Date 07/16/2014

Print Date 07/16/2014

All sales of Sika products are subject to its current terms and conditions of sale available at [www.sikausa.com](http://www.sikausa.com) or 201-933-8800.

Revision Date 07/16/2014

Material number: 183761