

**SECTION 1. IDENTIFICATION**

|   |   |  |
|---|---|--|
| Product name  | : | Sikagard® CRV-20 Part B  |
| Other means of identification                           | : | No data available  |
| Company name  | : | 601, avenue Delmar<br>Canada<br>Pointe-Claire, QC H9R 4A9<br>Sika Canada Inc.<br>www.sika.ca |
| Telephone   | : | (514) 697-2610 / 1 (800) 933-7452  |
| Telefax   | : | (514) 694-2792   |
| E-mail address  | : | ehs@ca.sika.com  |
| Emergency telephone                                     | : | CANUTEC (collect) (613) 996-6666 (24 hours)  |
| Recommended use of the chemical and restrictions on use | : | For further information, refer to product data sheet.  |

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

|                    |   |             |
|--------------------|---|-------------|
| Organic peroxides  | : | Type D      |
| Eye irritation     | : | Category 2B |
| Skin sensitization | : | Category 1  |

**GHS label elements**

|                   |   |  |
|-------------------|---|--|
| Hazard pictograms | : |  |
|-------------------|---|--|

|                   |   |  |
|-------------------|---|--|
| Signal Word       | : | Danger   |
| Hazard Statements | : | H242 Heating may cause a fire.<br>H317 May cause an allergic skin reaction.<br>H320 Causes eye irritation. |

|                          |   |   |
|--------------------------|---|---|
| Precautionary Statements | : | <b>Prevention:</b><br>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P234 Keep only in original packaging.<br>P240 Ground and bond container and receiving equipment. |
|--------------------------|---|---|



P261 Avoid breathing dust.  
 P264 Wash skin thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 Store in a well-ventilated place.  
 P410 Protect from sunlight.  
 P411 Store at temperatures not exceeding 22 °C/ 72 °F.  
 P420 Store separately.

**Disposal:**

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

**Additional Labeling**

There are no ingredients with unknown acute toxicity used in a mixture at a concentration  $\geq 1\%$ .

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

| Chemical name      | CAS-No. | Classification   | Concentration (% w/w) |
|--------------------|---------|--|-----------------------|
| dibenzoyl peroxide | 94-36-0 | Org. Perox. B; H241<br>Eye Irrit. 2B; H320<br>Skin Sens. 1; H317 | $\geq 30$ - $< 60$    |

Actual concentration or concentration range is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.  
 Consult a physician.



|   |  |
|---|--|
|   | <p>Show this material safety data sheet to the doctor in attendance.</p>   |
| If inhaled  | <p>: Move to fresh air.<br/>Consult a physician after significant exposure.</p>  |
| In case of skin contact                                     | <p>: Take off contaminated clothing and shoes immediately.<br/>Wash off with soap and plenty of water.<br/>If symptoms persist, call a physician.</p>  |
| In case of eye contact                                      | <p>: Remove contact lenses.<br/>Keep eye wide open while rinsing.<br/>If eye irritation persists, consult a specialist.</p>  |
| If swallowed  | <p>: Clean mouth with water and drink afterwards plenty of water.<br/>Do not induce vomiting without medical advice.<br/>Do not give milk or alcoholic beverages.<br/>Never give anything by mouth to an unconscious person.<br/>Obtain medical attention.</p> |
| Most important symptoms and effects, both acute and delayed | <p>: Allergic reactions<br/>sensitizing effects<br/>May cause an allergic skin reaction.<br/>Causes eye irritation.</p>  |
| Notes to physician  | <p>: Treat symptomatically.</p>  |

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## SECTION 5. FIRE-FIGHTING MEASURES

|  |   |
|--|---|
| Suitable extinguishing media                   | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.   |
| Unsuitable extinguishing media                 | : Water   |
| Further information                            | : Use water spray to cool unopened containers.<br>Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>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.  |

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Avoid breathing dust.<br>Deny access to unprotected persons.   |
| Environmental precautions   | : Do not flush into surface water or sanitary sewer system.<br>Local authorities should be advised if significant spillages cannot be contained. |



Methods and materials for containment and cleaning up : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).  
Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.  
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
Take precautionary measures against electrostatic discharges.

Advice on safe handling : Do not breathe vapors/dust.  
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.  
Open drum carefully as content may be under pressure.  
Follow standard hygiene measures when handling chemical products.

Conditions for safe storage : Store in original container.  
Store in cool place.  
Keep in a well-ventilated place.  
Observe label precautions.  
Store in accordance with local regulations.

Materials to avoid : Explosives  
Poisonous gases  
Poisonous liquids  
Corrosive Liquids

Further information on storage stability : Keep in a dry place.  
No decomposition if stored and applied as directed.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

| Components         | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis     |
|--------------------|---------|-------------------------------|--|-----------|
| dibenzoyl peroxide | 94-36-0 | TWA                           | 5 mg/m3  | CA AB OEL |



|  |  |       |         |           |
|--|--|-------|---------|-----------|
|  |  | TWA   | 5 mg/m3 | CA BC OEL |
|  |  | TWAEV | 5 mg/m3 | CA QC OEL |
|  |  | TWA   | 5 mg/m3 | ACGIH     |

**Particles of nuisance dust**

| Form of exposure    | Value type | Control parameters | Basis    |
|---------------------|------------|--------------------|----------|
| total dust          | TWA        | 15 mg/m3           | OSHA Z-3 |
| respirable fraction | TWA        | 5 mg/m3            | OSHA Z-3 |

**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.  
The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive 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** : 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.  
Wash hands before breaks and immediately after handling the product.  
Remove respiratory and skin/eye protection only after vapors have been cleared from the area.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Wash thoroughly after handling.  
Avoid breathing dust.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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|  |   |                        |
|--|---|------------------------|
| Appearance                                       | : | powder                 |
| Color  | : | white                  |
| Odor   | : | very faint             |
| Odor Threshold                                   | : | No data available      |
| pH   | : | Not applicable         |
| Melting point/range / Freezing point             | : | No data available      |
| Boiling point/boiling range                      | : | No data available      |
| Flash point                                      | : | Not applicable         |
| Evaporation rate                                 | : | No data available      |
| Flammability (solid, gas)                        | : | No data available      |
| Upper explosion limit / Upper flammability limit | : | No data available      |
| Lower explosion limit / Lower flammability limit | : | No data available      |
| Vapor pressure                                   | : | No data available      |
| Relative vapor density                           | : | No data available      |
| Density  | : | Not applicable         |
| Solubility(ies)                                  |   |                        |
| Water solubility                                 | : | insoluble              |
| Solubility in other solvents                     | : | No data available      |
| Partition coefficient: n-octanol/water           | : | No data available      |
| Autoignition temperature                         | : | No data available      |
| Decomposition temperature                        | : | No data available      |
| Viscosity  |   |                        |
| Viscosity, dynamic                               | : | No data available      |
| Viscosity, kinematic                             | : | Not applicable         |
| Explosive properties                             | : | No data available      |
| Oxidizing properties                             | : | No data available      |
| Volatile organic compounds (VOC) content         | : | 60 g/l<br>A+B Combined |



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**SECTION 10. STABILITY AND REACTIVITY**

|                                    |   |   |
|------------------------------------|---|---|
| Reactivity                         | : | No dangerous reaction known under conditions of normal use. |
| Chemical stability                 | : | Decomposes on heating.                                      |
| Possibility of hazardous reactions | : | Stable under recommended storage conditions.                |
| Conditions to avoid                | : | Heat, flames and sparks.                                    |
| Incompatible materials             | : | Acids and bases<br>Reducing agents<br>Heavy metals          |
| Hazardous decomposition products   | : | No decomposition if stored and applied as directed.         |

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Components:****dibenzoyl peroxide:**

|                           |   |   |
|---------------------------|---|---|
| Acute oral toxicity       | : | LD50 Oral (Rat): > 5,000 mg/kg  |
| Acute inhalation toxicity | : | LC50 (Rat): > 24.3 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist |

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Causes eye irritation.

**Respiratory or skin sensitization****Skin sensitization**

May cause an allergic skin reaction.

**Respiratory sensitization**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.



**IARC** Not applicable

**OSHA** Not applicable

**NTP** Not applicable

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Aspiration toxicity**

Not classified based on available information.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Components:**

**dibenzoyl peroxide:**

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

Additional ecological information : Do not empty into drains; dispose of this material and its container in a safe way.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
May be harmful to the environment if released in large quantities.  
Water polluting material.

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**SECTION 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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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN/ID No. : UN 3106  
Proper shipping name : Organic peroxide type D, solid  
(dibenzoyl peroxide)  
Class : 5.2  
Packing group : Not assigned by regulation  
Labels : Organic Peroxides, Keep Away From Heat  
Packing instruction (cargo aircraft) : 570  
Packing instruction (passenger aircraft) : 570

#### IMDG-Code

UN number : UN 3106  
Proper shipping name : ORGANIC PEROXIDE TYPE D, SOLID  
(dibenzoyl peroxide)  
Class : 5.2  
Packing group : Not assigned by regulation  
Labels : 5.2  
EmS Code : F-J, S-R  
Marine pollutant : yes

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

Not applicable for product as supplied.

#### Domestic regulation

DOT: For Limited Quantity exceptions reference 49 CFR 173.152 (b)

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

#### TDG

UN number : UN 3106  
Proper shipping name : ORGANIC PEROXIDE TYPE D, SOLID  
(dibenzoyl peroxide)  
Class : 5.2  
Packing group : II  
Labels : 5.2  
ERG Code : 145  
Marine pollutant : no

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.




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**SECTION 15. REGULATORY INFORMATION**
**Canadian lists**

No substances are subject to a Significant New Activity Notification.

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**SECTION 16. OTHER INFORMATION**
**Full text of other abbreviations**

|                   |   |  |
|-------------------|---|--|
| ACGIH             | : | USA. ACGIH Threshold Limit Values (TLV)  |
| CA AB OEL         | : | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)  |
| CA BC OEL         | : | Canada. British Columbia OEL   |
| CA QC OEL         | : | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for air-borne contaminants   |
| OSHA Z-3          | : | USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts   |
| ACGIH / TWA       | : | 8-hour, time-weighted average  |
| CA AB OEL / TWA   | : | 8-hour Occupational exposure limit   |
| CA BC OEL / TWA   | : | 8-hour time weighted average   |
| CA QC OEL / TWAEV | : | Time-weighted average exposure value   |
| OSHA Z-3 / TWA    | : | 8-hour time weighted average   |
| ADR               | : | Accord européen relatif au transport international des marchandises Dangereuses par Route  |
| CAS               | : | Chemical Abstracts Service   |
| DNEL              | : | Derived no-effect level  |
| EC50              | : | Half maximal effective concentration   |
| GHS               | : | Globally Harmonized System   |
| IATA              | : | International Air Transport Association  |
| IMDG              | : | International Maritime Code for Dangerous Goods  |
| LD50              | : | Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)  |
| LC50              | : | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)   |
| MARPOL            | : | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978  |
| OEL               | : | Occupational Exposure Limit  |
| PBT               | : | Persistent, bioaccumulative and toxic  |
| PNEC              | : | Predicted no effect concentration  |
| REACH             | : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC              | : | Substances of Very High Concern  |
| vPvB              | : | Very persistent and very bioaccumulative   |



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