SAFETY DATA SHEET



Date of issue/Date of revision 5 February 2020 Version 1

| Section 1. Identification | |
|----------------------------------|--|
| Product name | : AU-1 CS Aluminum Gray |
| Product Number | : 20 oz. Sausage: TS 00419. 2 gal: TS-00425. 5 gal TS-00437 |
| Other means of identification | : Caulk, Sealant |
| Product type | : Paste |
| Relevant identified uses of | the substance or mixture and uses advised against |
| Product use | : Consumer applications, Professional applications. |
| Use of the substance/ mixture | : Caulking, Sealing |
| Uses advised against | : Not applicable. |
| Supplier | : Tower Sealants 2095 Memorial Park Road Gainesville, GA 30504 |
| Emergency telephone number | : Chemtrec: 1-800-424-9300 |
| Technical Phone Number | : 1-770-535-8782 (8:00 am to 5:00 pm EST) |

Section 2. Hazards identification

| OSHA/HCS status | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
|--|---|
| Classification of the substance or mixture | : CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 |
| | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 63% |
| GHS label elements | \wedge |
| Hazard pictograms | |
| Signal word | : Danger |
| Hazard statements | : May cause eye irritation |
| | : May cause cancer |
| | : May cause genetic defects |
| | : May cause damage to organs through prolonged exposure. |
| | |

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Section 2. Hazards identification

Precautionary statements

| General | Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. |
|----------------------------------|--|
| Prevention | : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapor. |
| Response | : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. |
| Storage | : Store locked up. |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Supplemental label elements | : Sanding and grinding dusts may be harmful if inhaled. This product contains Crystalline Silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Since this product is not meant to be sanded or sprayed, risk of exposure is considered low. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. |
| Hazards not otherwise classified | : Prolonged or repeated contact may dry skin and cause irritation. |

Section 3. Composition/information on ingredients

| Substance/mixture | : Mixture |
|-------------------|-------------------------|
| Product name | : AU-1 CS Aluminum Gray |

| Ingredient name | % | CAS number |
|---|-----------|------------|
| Limestone | 10 - 30 | 1317-65-3 |
| White mineral oil (petroleum) | 1 - 5 | 8042-47-5 |
| Ethylene Glycol | 0.5 - 1.5 | 107-21-1 |
| Titanium Dioxide | 0.5 - 1.5 | 13463-67-7 |
| Crystalline Silica, respirable powder (<10 microns) | 0.1 - 1 | 14808-60-7 |

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person. Description of necessary first aid measures

Eye contact

: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

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|---------------|------------|--|
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Section 4. First aid measures

| Inhalation : | Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
|----------------|--|
| Skin contact : | Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. |
| Ingestion : | If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting. |

| Most important sympt | oms/effects, acute and delayed |
|-----------------------|--|
| Potential acute healt | <u>n effects</u> |
| Eye contact | : Direct contact may cause slight to moderate irritation. |
| Inhalation | : May cause slight irritation to respiratory passages – headache – dizziness. |
| Skin contact | May cause allergic skin reactions and / or central nervous system depression. May cause skin dryness and irritation. |
| Ingestion | : Low ingestion hazard in normal use. |

Over-exposure signs/symptoms Eye contact : No specific data. Inhalation : No specific data. Skin contact : Adverse symptoms may include the following: irritation dryness cracking Ingestion : No specific data.

| Indication of immediate med | dical attention and special treatment needed, if necessary |
|-----------------------------|---|
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : No specific treatment. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|--------------------------------|---|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |

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Section 5. Fire-fighting measures

| Specific hazards arising from the chemical | : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
|---|---|
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides |
| Special protective actions for fire-fighters | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| 1 | |

Section 6. Accidental release measures

| Personal precautions. protec | tive equipment and emergency procedures |
|--------------------------------|---|
| For non-emergency personnel | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| For emergency responders | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Environmental precautions | : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Methods and materials for co | entainment and cleaning up |
| Small spill | : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Large spill | : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

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Section 7. Handling and storage

Precautions for safe handling

| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|--|---|
| Special precautions | : If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts. |
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Conditions for safe storage, including any incompatibilities | : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |
| | |

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|---|---|
| Limestone | OSHA PEL (United States, 2/2013). |
| | TWA: 5 mg/m ³ 8 hours. Form: Respirable |
| | fraction |
| | TWA: 15 mg/m ³ 8 hours. Form: Total dust |
| White mineral oil (petroleum) | ACGIH TLV (United States, 6/2013). |
| | TWA: 5 mg/m ³ 8 hours. Form: Inhalable |
| | fraction |
| | OSHA PEL (United States, 2/2013). |
| Ethylene Glycol | TWA: 5 mg/m ³ 8 hours. |
| | ACGIH TLV (United States, 6/2013). |
| | C: 100 mg/m ³ Form: Aerosol |
| | OSHA PEL (United States, 2/2013). |
| Titanium Dioxide | TWA: 15 mg/m ³ 8 hours. Form: Total dust |
| | ACGIH TLV (United States, 6/2013). |
| | TWA: 10 mg/m ³ 8 hours. |
| | ACGIH TLV (United States, 6/2013). |
| Crystalline Silica, respirable powder (<10 microns) | TWA: 0.025 mg/m ³ 8 hours. Form: |
| | Respirable |
| | OSHA PEL Z3 (United States, 2/2013). |
| | United States Page: 5/13 |

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Section 8. Exposure controls/personal protection TWA: 10 MG/M3 / (%SiO2+2) 8 hours. Form:

| controlslocal exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.Environmental exposure: Emissions from ventilation or work process equipment should be checked to ensure | | | Respirable TWA: 250 MPPCF / (%SiO2+5) 8 hours. Form: Respirable |
|---|---|---|---|
| A = Acceptable Maximum Peak S = Potential shin absorption CGHH - Respiratory sensitization S = Respiratory sensitization CH - Celling Limit SS = Skin sensitization PE - Elling Limit SS = Skin sensitization R = Respiratory sensitization = Total dust QH - Coclupational Safeky and Health Administration. TUV = Timeshod Limit Value R = Respiratole = Total dust = This prostod Limit Value Recommended monitoring : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the decemments of the accessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances Environmental exposure : If user operations generate dust, frames, gas, vapor or mist, use process enclosures, local exhaust ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, rume scrub revisions to acceptable levels. Environmental exposure : Ensistons from ventilation or work process equipment should be checked to ensure they comply with the requirements of environme | | Kev to abbreviations | |
| Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required. Appropriate engineering controls If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or orther engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Individual protection measures I Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection Safety glasses with side shields. Skin protection Chemical-resistant, impervious gloves complying with an approved standard should be work at all times when handling chemical products if a risk assessment indicates this is necessary. C | ACGIH = American Conference of C = Ceiling Limit F = Fume IPEL = Internal Permissible Exp OSHA = Occupational Safety and R = Respirable | eak [:] Governmental Industrial Hygienists. osure Limit I Health Administration. | SR= Respiratory sensitizationSS= Skin sensitizationSTEL= Short term Exposure limit valuesTD= Total dustTLV= Threshold Limit Value |
| Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required. Appropriate engineering controls If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or orther engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Environmental exposure controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Individual protection measures I Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection Safety glasses with side shields. Skin protection Chemical-resistant, impervious gloves complying with an approved standard should be work at all times when handling chemical products if a risk assessment indicates this is necessary. C | Consult local authorities for a | acceptable exposure limits. | |
| controlslocal exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.Environmental exposure: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.Eye/face protection Skin 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.Gloves:Body protection: Personal protective equipment for the body should be approved by a specialist before | Recommended monitoring | : If this product contains ingredients with e | y be required to determine the effectiveness of s and/or the necessity to use respiratory d be made to appropriate monitoring standards. Ints for methods for the determination of |
| Environmental exposure : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Individual protection measures Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection Safety glasses with side shields. Exercision 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Other skin protection Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | Appropriate engineering controls | local exhaust ventilation or other engine | ering controls to keep worker exposure to |
| Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.Eye/face protection Skin protection: Safety glasses with side shields.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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.Gloves:Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | Environmental exposure controls | : Emissions from ventilation or work proce they comply with the requirements of en cases, fume scrubbers, filters or engine | ess equipment should be checked to ensure vironmental protection legislation. In some ering modifications to the process equipment |
| eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection Safety glasses with side shields. 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Gloves Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Other skin protection Appropriate footwear and any additional skin protection measures should be approved by a specialist before handling this product. | Individual protection measur | es | |
| Skin protectionHand 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.::Body protection:Other skin protection::Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | Hygiene measures | eating, smoking and using the lavatory a Appropriate techniques should be used Wash contaminated clothing before reus | and at the end of the working period. to remove potentially contaminated clothing. sing. Ensure that eyewash stations and safety |
| worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.Gloves:Body protection:Other skin protection:Other skin protection:Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | | : Safety glasses with side shields. | |
| Gloves:Body protection:Other skin protection:Other skin protection:Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.Other skin protection:Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | Hand protection | worn at all times when handling chemica necessary. Considering the parameters during use that the gloves are still retain noted that the time to breakthrough for a glove manufacturers. In the case of mix | al products if a risk assessment indicates this is specified by the glove manufacturer, check ing their protective properties. It should be any glove material may be different for different ctures, consisting of several substances, the |
| Other skin protection performed and the risks involved and should be approved by a specialist before handling this product. Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | Gloves | | - |
| Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | Body protection | performed and the risks involved and sh | |
| United States Page: 6/13 | Other skin protection | : Appropriate footwear and any additional based on the task being performed and | |
| | | | United States Page: 6/13 |

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Section 8. Exposure controls/personal protection

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Respiratory protection : Respiratory are exp
certified
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: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

| Appearance | |
|--|---|
| Physical state | : Paste |
| Color | : Aluminum Gray |
| Odor | : Mild Acrylic |
| Odor threshold | : Not available. |
| рН | : 7.5-8.5 |
| Melting point | : Not available. |
| Boiling point | : >37.78°C (>100°F) |
| Flash point | : Closed cup: 93.89°C (201°F) |
| Auto-ignition temperature | : Not available. |
| Decomposition temperature | : Not available. |
| Flammability (solid, gas) | : Not available. |
| Lower and upper explosive (flammable) limits | : Not available. |
| Evaporation rate | : 0.31 (butyl acetate = 1) |
| Vapor pressure | : 2.3 kPa (17 mm Hg) [room temperature] |
| Vapor density | : Not available. |
| Relative density | : 1.16 |
| Density (Ibs / gal) | : 9.68 |
| Solubility | : Soluble in Water |
| Partition coefficient: n- octanol/water | : Not available. |
| Viscosity | : 15-40 g/s |
| Volatility | : 35% (v/v), 31% (w/w) |
| % Solid. (w/w) | : 69 |
| Contine 10 Stabili | the and reactivity |

Section 10. Stability and reactivity

| | United States Page: 7/13 |
|------------------------------------|--|
| Conditions to avoid | : When exposed to high temperatures may produce hazardous decomposition products. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Chemical stability | : The product is stable. |
| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |

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Section 10. Stability and reactivity

Refer to protective measures listed in sections 7 and 8.

Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids. Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Res | sult | | | Species | Dose | Exposure |
|--|------|------------|------------|----------------|-----------------|-------------|----------|
| White mineral oil (petroleum) | LD5 | 50 Oral | | | Rat | >5000 mg/kg | - |
| Ethylene Glycol | | 50 Derma | I | | Rabbit | 9.53 g/kg | - |
| T ² · D ¹ · I | | 50 Oral | | | Rat | 4700 mg/kg | - |
| Titanium Dioxide | LD | 50 Oral | | | Rat | >10 g/kg | - |
| Conclusion/Summary | : Tł | nere are r | no data av | vailable on th | e mixture itse | elf. | |
| Irritation/Corrosion | | | | | | | |
| Conclusion/Summary | | | | | | | |
| Skin | : Tł | nere are r | no data a | vailable on th | ne mixture itse | elf. | |
| Eyes | : Tł | nere are r | no data a | vailable on th | ne mixture itse | elf. | |
| Respiratory | : Th | nere are r | no data av | vailable on th | e mixture itse | elf. | |
| Sensitization | | | | | | | |
| Conclusion/Summary | | | | | | | |
| Skin | : Tł | nere are r | no data a | vailable on th | e mixture itse | elf. | |
| Respiratory | : Tł | nere are r | no data av | vailable on th | e mixture itse | elf. | |
| <u>Mutagenicity</u> | | | | | | | |
| Conclusion/Summary : There are no data available on the mixture itself. | | | | | | | |
| <u>Carcinogenicity</u> | | | | | | | |
| Conclusion/Summary : There are no data available on the mixture itself. | | | | | | | |
| Classification | | | | | | | |
| Product/ingredient name | | OSHA | IARC | NTP | | | |
| Titanium Dioxide | | - | 2B | - | | | |
| Crystalline Silica, respirable powder (<10 microns) | | - | 1 | Known to be | e a human car | rcinogen. | |

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary

There are no data available on the mixture itself.

Teratogenicity

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|---------------|------------|
|---------------|------------|

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Section 11. Toxicological information

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

| Name | Category |
|---|------------|
| Ethylene Glycol | Category 2 |
| Crystalline Silica, respirable powder (<10 microns) | Category 2 |

Target organs

: Contains material which may cause damage to the following organs: kidneys, lungs, heart, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Aspiration hazard

| Name | Result |
|-------------------------------|--------------------------------|
| White mineral oil (petroleum) | ASPIRATION HAZARD - Category 1 |

Information on the likely routes of exposure

Potential acute health effects

| effects | United States Page: 9/13 |
|-----------------------------|--|
| Potential immediate | : There are no data available on the mixture itself. |
| Long term exposure | |
| Potential delayed effects | : There are no data available on the mixture itself. |
| Potential immediate effects | : There are no data available on the mixture itself. |
| Short term exposure | |
| Conclusion/Summary | There are no data available on the mixture itself. This product contains Crystalline Silic which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. |
| | ts and also chronic effects from short and long term exposure |
| Ingestion | No specific data. |
| | cracking |
| | dryness |
| Skin contact | : Adverse symptoms may include the following: irritation |
| Inhalation | : No specific data. |
| Eye contact | : No specific data. |
| Over-exposure signs/symp | toms |
| Ingestion | : Low ingestion hazard in normal use. |
| Skin contact | : May cause allergic skin reactions and / or central nervous system depression. May cau skin dryness and irritation. |
| Inhalation | : May cause slight irritation to respiratory passages – headache – dizziness. |
| Eye contact | : Direct contact may cause slight to moderate irritation. |

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Section 11. Toxicological information

| Potential delayed effects | : There are no data available on the mixture itself. | | |
|------------------------------|---|--|--|
| Potential chronic health eff | i <mark>cts</mark> | | |
| General | May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. | | |
| Carcinogenicity | : May cause cancer. Risk of cancer depends on duration and level of exposure. | | |
| Mutagenicity | No known significant effects or critical hazards. | | |
| Teratogenicity | : No known significant effects or critical hazards. | | |
| Developmental effects | : No known significant effects or critical hazards. | | |
| Fertility effects | : No known significant effects or critical hazards. | | |
| Numerical measures of tox | <u>iity</u> | | |
| Acute toxicity estimates | | | |
| Route | ATE value | | |
| Oral | 14103.8 mg/kg | | |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|---------------------------------|--------------------------------------|----------|
| Titanium Dioxide | Acute EC50 100 mg/l Fresh water | Daphnia - Daphnia magna - Neonate | 48 hours |

Persistence and degradability

Not available.

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------------|--------|-----|-----------|
| White mineral oil (petroleum) | >6 | - | high |
| Ethylene Glycol | -1.36 | | Iow |

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a

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Section 13. Disposal considerations

safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

| | DOT | IMDG | IATA |
|--------------------------------|--|-----------------|-----------------|
| UN number | UN3082 | Not regulated. | Not regulated. |
| UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (carbendazim (ISO)) | - | - |
| Transport hazard class (es) | 9 | - | - |
| Packing group | III | - | - |
| Environmental hazards | No. | No. | No. |
| Marine pollutant substances | Not applicable. | Not applicable. | Not applicable. |
| Product RQ (lbs) | 14992.5 | Not applicable. | Not applicable. |
| RQ substances | (carbendazim (ISO)) | Not applicable. | Not applicable. |

Additional information

| DOT | Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. |
|------|--|
| IMDG | : None identified. |
| ΙΑΤΑ | : None identified. |

Special precautions for user : 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 an accident or spillage.

Section 15. Regulatory information

| United States inventory (TSCA 8b) | : All components are listed or exempted. |
|-----------------------------------|--|
| Australia inventory (AICS) | : Not determined. |
| Canada inventory (DSL) | : All components are listed or exempted. |
| China inventory (IECSC) | : Not determined. |
| Europe inventory (REACH) | : Please contact your supplier for information on the inventory status of this material. |
| Japan inventory (ENCS) | : Not determined. |
| | |

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Section 15. Regulatory information

| Korea invento | ry (KEC | I) : | Not determined. |
|---------------|---------|------|-----------------|
| New Zealand (| |) : | Not determined. |

Philippines inventory (PICCS) : Not determined.

United States

SARA 302/304 SARA 304 RQ

: Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification

: Immediate (acute) health hazard D elayed (chronic) health hazard

Composition/information on ingredients

| Name | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---|----------------|----------------------------------|----------|--|--|
| White mineral oil (petroleum) | No. | No. | No. | Yes. | No. |
| Ethylene Glycol | No. | No. | No. | Yes. | Yes. |
| Titanium Dioxide | No. | No. | No. | No. | Yes. |
| Crystalline Silica, respirable powder (<10 microns) | No. | No. | No. | No. | Yes. |

SARA 313

Supplier notification

Chemical name : Ethylene Glycol CAS number 107-21-1 Concentration 0.5 - 1.5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Pennsylvania (worker and community right to know act): The following components are cited in the Pennsylvania Hazardous Substances List, and are present at levels that require reporting.

| Ethylene Glycol | 107-21-1 | < 2% |
|-----------------|----------|------|
| | <u>^</u> | |

California Prop. 65: 🗥 WARNING: This product can expose you to chemicals

including Crystalline Silica (respirable powder), and ethylene glycol, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <u>www.P65Warnings.ca.gov</u>.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 2 * Flammability : 1 Physical hazards : 0

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health:2Flammability:1Instability:0

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Section 16. Other information

| Organization that prepared the MSDS | : EHS |
|-------------------------------------|--|
| Key to abbreviations | : ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations |
| | UPC Codes 20 fl. oz. 843034004190 2 gal pail 843034004251 |

843034004374

Indicates information that has changed from previously issued version.

5 gal pail

Disclaimer

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