MATERIAL SAFETY DATA SHEET 1-V-4246-E GLOVE FORMULA

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 2700 Papin Street, St. Louis, MO 63103

| NON-EMERGENCY TELEPHONE | : | Product Stewardship (314) 771-1800 |
|-------------------------------|---|--|
| Emergency telephone number | : | CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident). |
| Product name | : | 1-V-4246-E GLOVE FORMULA |
| Product code | : | FO00000322 |
| Chemical Name | : | Mixture |
| CAS-No. | : | Mixture |
| Product Use | : | Industrial Applications |

2. COMPOSITION/INFORMATION ON INGREDIENTS

There are no known hazardous components above regulatory thresholds in this product.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a water based mixture with an ammonia odor. The mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. The product is not combustible, but it will burn if involved in a fire, releasing hydrocarbon products of combustion. Inhalation of the ammonia from this product may cause respiratory irritation, coughing, sore throat, and labored breathing.

POTENTIAL HEALTH EFFECTS

| Routes of Exposure: | : Skin contact, Inhalation, Ingestion | | |
|---------------------|---|--|--|
| Acute exposure | | | |
| Inhalation | : Symptoms of breathing ammonia vapor concentrated from this product may include laryngitis, tracheitis, pulmonary edema, dyspnea, bronchospasms, and chest pains or pneumonitis. Symptoms are typically reversible. | | |
| Ingestion | : May be harmful if swallowed. | | |
| Eyes | : Liquid, aerosol, or vapors of this product are irritating and may cause tearing, reddening, and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. | | |
| Skin | : Skin contact may cause redness, irritation, and burns. | | |

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| Chronic exposure : Refer to Section 11 for Toxicological Information. | | | |
|--|---|--|--|
| Medical Conditions Aggravated by Exposure: | : None known. | | |
| | 4. FIRST AID MEASURES | | |
| Inhalation | : Move to fresh air in case of accidental inhalation of vapors or fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice. | | |
| Ingestion | : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention if necessary. | | |
| Eyes | : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention. | | |
| Skin | : Wash off with soap and plenty of water. If skin irritation persists seek medical attention. | | |
| | 5. FIRE-FIGHTING MEASURES | | |
| Flash point | : No data available | | |
| Flammable Limits Upper explosion limit Lower explosion limit Autoignition temperature Suitable extinguishing media | No data available No data available No data available carbon dioxide (CO2), water, foam, dry chemical. | | |
| Special Fire Fighting Procedures Unusual Fire/Explosion Hazards | Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Burning dry latex produces dense black smoke with the possibility of toxic vapors. Residual latex material contained in empty drums may decompose when burned producing toxic or irritating fumes. | | |
| | 6. ACCIDENTAL RELEASE MEASURES | | |
| Personal precautions | : Ensure response personnel are properly protected (see section 8 for respiratory or other protection guidelines.) Use caution as floors may be slippery. | | |
| Environmental precautions | : The product should not be allowed to enter drains, water courses or the soil. | | |
| Methods for cleaning up | : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable | | |



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| | 7. HANDLIN | G AND STORAGE |
|-----------------------------------|--------------------------------|---|
| Handling | Prolonged he | rea provided with appropriate exhaust ventilation. ating may result in product degradation. Material may storage. Careful mixing without introduction of air may before use. |
| Storage | upright to pre | nich are opened must be carefully resealed and kept vent leakage. Keep in a dry, cool place. Keep from emperature extremes. |
| 8. EXF | POSURE CONTROL | LS / PERSONAL PROTECTION |
| Respiratory protection | areas of good processing eq | s normally not required for routine handling of product in general ventilation and adequate local exhaust at uipment during routine operation. If using a cartridge ammonia cartridge is required to filter out potential nia vapors. |
| Eye/Face Protection | | s with side-shields. Wear goggles or face shield during at present a splash potential. |
| Hand protection | : Impervious g | oves such as rubber or PVC |
| Skin and body protection | Where operat | shirts and long pants are adequate for normal handling. ions present a splash or spill potential, employees should lly resistant clothing, boots, apron, gloves, and eye/face |
| Additional Protective Measures | : Safety shoes. | |
| General Hygiene Considerations | | efore breaks and immediately after handling the product ordance with good industrial hygiene and safety |
| Engineering measures | | tilation and/or appropriate respiratory protection may sary to minimize employee exposure to processing |
| Exposure limit(s) | | |
| There are no known hazardou | us components above | regulatory thresholds in this product. |
| 9 | . PHYSICAL AND (| CHEMICAL PROPERTIES |
| Form | : liquid | Evaporation rate : Slower than Buty |

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| Appearance Color Odor Melting point/range Boiling Point: | liquid NO PIGMENT Slight ammonia Not applicable Not applicable | Specific Gravity Bulk density Vapor pressure Vapour density pH | Not determined Not applicable Not established Heavier than air. Not determined |
|--|--|--|--|
| Water solubility | : Completely miscible | | |
| | 10. STABILITY AND | REACTIVITY | |
| Stability | : Stable. | | |
| Hazardous Polymerization | : Will not occur. | | |
| Conditions to avoid | : Extremes of temperat | ure and direct sunlight. | Keep from freezing. |
| Incompatible Materials | : Acids, metal salts, an | d solvents | |
| Hazardous decomposition products | | e), carbon monoxide (CC) us materials, and smoke | |

11. TOXICOLOGICAL INFORMATION

There are no known hazardous components above regulatory thresholds in this product.

12. ECOLOGICAL INFORMATION

| | 12. ECOLOGICAL INFORMATION |
|-------------------------------|---|
| Persistence and degradability | : No data available |
| Environmental Toxicity | : No data available |
| Bioaccumulation Potential | : No data available |
| Additional advice | : No data available |
| | 13. DISPOSAL CONSIDERATIONS |
| Product | : Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. |
| Contaminated packaging | : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. |
| | 14. TRANSPORT INFORMATION |
| U.S. DOT Classification | : Refer to specific regulation. |

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| ICAC | D/IATA (air) | : F | Refer to specific regulation | ion. | |
|-----------------------------|---|---|--|--------------------------|---------------------------|
| IMO | / IMDG (maritime) | : F | Refer to specific regulation | ion. | |
| | | 15. I | REGULATORY INFO | ORMATION | |
| US R | egulations: | | | | |
| | OSHA Status | | There are no known haz hresholds in this produc | | ove regulatory |
| | TSCA Status | | All components of this p nventory. | product are listed on or | exempt from the TSC |
| US. E | EPA CERCLA Hazardo | ous Substa | nces (40 CFR 302) | | |
| | Chemical Name | CAS-No | . % in Product | RQ for component | RQ for Mixture/Product |
| | Ziram | 137-30-4 | 0.0014 | 001 lbs | 71,429 LB |
| SAR | California Propositio 65 A Title III Section 302 | | This product does not co 7 Hazardous Substance | ntain a substance listed | d by California Prop 6 |
| N | 65 | Extremely | Hazardous Substance | ntain a substance listed | d by California Prop 6 |
| N SAR. N | 65 A Title III Section 302 ot applicable | Extremely | Hazardous Substance | ntain a substance listed | d by California Prop 6 |
| N SAR. N | 65 A Title III Section 302 fot applicable A Title III Section 313 fot applicable | Extremely Toxic Che | y Hazardous Substance | ntain a substance listed | d by California Prop 6 |
| N SAR. N Cana | 65 A Title III Section 302 fot applicable A Title III Section 313 fot applicable dian Regulations: | Extremely Toxic Che | y Hazardous Substance | ntain a substance listed | d by California Prop 6 |
| N SAR. N Cana | 65 A Title III Section 302 ot applicable A Title III Section 313 ot applicable dian Regulations: National Pollutant Re | Extremely Toxic Che | y Hazardous Substance | ntain a substance listed | d by California Prop 6 |
| N SAR. N Cana | 65 A Title III Section 302 fot applicable A Title III Section 313 fot applicable dian Regulations: National Pollutant Re fot applicable | Extremely Toxic Cho elease Invo on : N : 1 | y Hazardous Substance emicals: entory (NPRI) | n determined. Quantity | |
| N SAR. N Cana N | 65 A Title III Section 302 fot applicable A Title III Section 313 fot applicable dian Regulations: National Pollutant Re fot applicable WHMIS Classification | Extremely Toxic Cho elease Invo on : N : 1 | y Hazardous Substance emicals: entory (NPRI) Not controlled. DSL status has not been | n determined. Quantity | |
| N SAR. Cana N | 65 A Title III Section 302 fot applicable A Title III Section 313 fot applicable dian Regulations: National Pollutant Re fot applicable WHMIS Classification DSL | Extremely Toxic Cho elease Invo on : N : 1 r | y Hazardous Substance emicals: entory (NPRI) Not controlled. DSL status has not been | n determined. Quantity | |

| | | PolyOne. |
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| Europe EINECS | : Not determined | |
| Japan ENCS | : Not determined | |
| Korea KECI | : Not determined | |
| Philippines PICCS | : Listed | |

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16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material when used in combination with any other materials and/or in any particular process or processing conditions.