

Employer: _____

RISK ASSESSMENT of Hazardous Substances

Substance: **VAPOR-Q
DISINFECTANT**

Refer Agar SDS for Hazards Identification

Site: _____ Date: _____ Person Responsible: _____

A: UNDILUTED PRODUCT

| 1. Potential Hazard e.g. skin contact, fire | 2. Potential injury or damage to property or environment | 3. Degree of Risk and Risk Score (see matrix over page) | 4. Suggested control Consider: 1. Elimination 2. Reduction 3. Protection | 5. SIGN OFF when each control is in place | 6. Degree of Risk AFTER CONTROL (see Matrix over page) |
|--|--|--|--|---|--|
| Accidentally swallowed | Maybe harmful if swallowed. | D Unlikely III Average Injury 9 Medium Risk | Ensure all containers are labelled correctly. Never store chemicals in a drink bottle. Always keep store room locked to prevent public access. Keep out of reach of children. Always rinse containers after use. Always wash hands after use. | | E Very Unlikely III Average Injury 6 Low Risk |
| Product splashing into eyes while decanting | May cause serious eye damage. | E Very Unlikely III Average lost time injury 6 Low Risk | Wear safety glasses when decanting product. Install signs "Wear Safety Glasses". | | E Very Unlikely IV Minor injury 3 Low Risk |
| Skin contact while decanting undiluted product | May cause skin burns with prolonged contact | C Possible IV Minor injury 8 Medium Risk | Wear rubber or chemical-resistant gloves when decanting. Gloves should be worn to prevent prolonged or repeated skin contact. Install signs "Wear Gloves". | | E Very Unlikely V No injury 1 Low Risk |
| Inhalation of concentrated fogging vapours from product in a small confined room | May cause irritation, coughing or choking sensation. | B Likely IV Minor injury 12 Medium Risk | Wear full face shield and respirator if fogging in closed rooms. | | E Very Unlikely IV Minor injury 3 Low Risk |

B: READY TO USE SOLUTION (diluted to 1:10 or more with water)

| 1. Potential Hazard e.g. skin contact, fire | 2. Potential injury or damage to property or environment | 3. Degree of Risk and Risk Score (see matrix over page) | 4. Suggested control Consider: 1. Elimination 2. Reduction 3. Protection | 5. SIGN OFF when each control is in place | 6. Degree of Risk AFTER CONTROL (see Matrix over page) |
|---|--|---|---|---|--|
| No hazards known for cleaning applications | None | 0 No Risk | No PPE required | | 0 No Risk |
| No hazards known for people using an area recently treated by fogging the product | None | 0 No Risk | No PPE required | | 0 No Risk |
| Inhalation by person fogging product high into the air | Discomfort | C Likely V Discomfort 7 Medium Risk | Wear respirator if fogging up in the air | | E Very Unlikely V No injury 1 Low Risk |
| Skin contact by person fogging product high into the air | May cause skin irritation | C Likely V Discomfort 7 Medium Risk | Wear protective waterproof clothing if fogging up in the air | | E Very Unlikely V No injury 1 Low Risk |
| Eye contact by person fogging product high into the air | May cause eye irritation | C Likely V Discomfort 7 Medium Risk | Wear goggles if fogging up in the air | | E Very Unlikely V No injury 1 Low Risk |

Important note: The potential hazards listed above are expected to apply in normal use applications of this product. However, if the product is to be used in special or unusual applications, different or additional hazards may arise. It is the responsibility of the employer to assess all additional risks that may arise from the way they intend to use this product.

RISK ASSESSMENT MATRIX

| OUTCOME | | PROBABILITY | | | | | |
|---------|---------------------------|-----------------|--------------------|---------------|---------------|-------------|---------------|
| | | F Impossible | E Very Unlikely | D Unlikely | C Possible | B Likely | A Frequent |
| I | Fatal or permanent injury | 0 | 15 | 19 | 22 | 24 | 25 |
| II | Severe injury | 0 | 10 | 14 | 18 | 21 | 23 |
| III | Average lost time injury | 0 | 6 | 9 | 13 | 17 | 20 |
| IV | Minor injury | 0 | 3 | 5 | 8 | 12 | 16 |
| V | Discomfort no injury | 0 | 1 | 2 | 4 | 7 | 11 |

| SCORE | RISK | Action Required |
|----------------|-------------|--|
| 0 – 6 | Low | None |
| 7 – 15 | Medium | Take Action to reduce risk to Low |
| 16 - 25 | High | Take Immediate Action to reduce risk to Low |

How to use the matrix:

1. Select the worst credible outcome
2. Select the probability or likelihood
3. Read the score number where the row and column intersect
4. Use this score to rate the risk as Low, Medium or High.
5. Take steps to reduce risk if it is High or Medium