



**KURE-N-SEAL™ 30**

Version 2.0

01/20/2004

- Skin : Prolonged skin contact may defat the skin and produce dermatitis. Components of the product may be absorbed into the body through the skin. Prolonged or repeated exposure can cause skin irritation and redness.
- Eyes : Can cause slight irritation.
- Ingestion : Can cause slight irritation.
- Chronic exposure : Chronic overexposure to xylene can cause damage to the formed elements of blood [e.g., red cells, which carry oxygen]. This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") can be harmful or fatal.

**Carcinogenicity**

|   | ACGIH                                   | IARC   | NTP  | OSHA |
|---|---|--|------|------|
| SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC | N.E.                                    | N.E.   | N.E. | N.E. |
| 1,2,4 TRIMETHYL BENZENE                     | N.E.                                    | N.E.   | N.E. | N.E. |
| STYRENE                                     | Not classifiable as a human carcinogen. | Limited data.                                  | N.E. | N.E. |
| XYLENE                                      | Not classifiable as a human carcinogen. | Classification not possible from current data. | N.E. | N.E. |
| CUMENE                                      | N.E.                                    | N.E.   | N.E. | N.E. |

**4. FIRST AID MEASURES**

- Eye contact : Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
- Skin contact : Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.
- Ingestion : Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.
- Inhalation : Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

**5. FIRE-FIGHTING MEASURES**

- Flash point : 100.00 °F (37.78 °C)
- Autoignition temperature : no data available
- Lower explosion limit : 0.9 %(V)
- Upper explosion limit : 7.0 %(V)
- Suitable extinguishing media : water fog  
carbon dioxide (CO2)  
dry chemical

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foam

- Fire and Explosion Hazards : Combustible Liquid. Can form explosive mixtures at temperatures at or above the flashpoint. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH.** Solid stream of water or foam can cause frothing.
- Special Fire-fighting Procedures : At higher temperature pressure build up in sealed containers. Use water to cool containers exposed to fire. As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

- Methods for cleaning up : Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Take action to eliminate source of leak. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled Liquid. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**7. HANDLING AND STORAGE**

- Handling : Use only in area provided with appropriate ventilation. Keep out of reach of children. Take precautionary measures against static discharges. Ground and bound containers when transferring material. For personal protection see section 8.
- Storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Eye protection : Wear as appropriate:  
safety glasses with side-shields  
goggles  
face-shield
- Hand protection : Wear Chemically resistant gloves.
- Body Protection : Wear as appropriate:  
Chemically resistant clothes  
preventive skin protection
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hygienic Practices : Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

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Engineering Controls : Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Color : clear

Physical State : liquid

Odor : strong solvent

pH : not applicable

Odor Threshold : no data available

Vapor Pressure : no data available

Vapor Density : Heavier than air

Boiling point/range : 279.00 - 340.00 °F (137.22 - 171.11 °C)

Freeze Point : no data available

Water solubility : slightly soluble

Specific Gravity : 0.91

Viscosity : no data available

Evaporation rate : Faster than Butyl acetate

Partition coefficient (n-octanol/water) : no data available

VOC Concentration as applied (less water and exempt solvents) : 646 g/l

**10. STABILITY AND REACTIVITY**

Stability : Stable under recommended storage conditions.

Conditions to avoid : Heat, flames and sparks. Prolonged exposure to high temperatures

Materials to avoid : oxidizing agents

Hazardous decomposition products : Oxides of carbon

Hazardous polymerization : Will not occur under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

**Acute inhalation toxicity**

| Type | Value | Species | Exposure time |
|------|-------|---------|---------------|
|------|-------|---------|---------------|

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|   |      |                   |     |
|---|------|-------------------|-----|
| <u>Product</u>                              | LC50 | no data available |     |
| <u>Component</u>                            |      |                   |     |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC | LC50 | no data available |     |
| 1,2,4 TRIMETHYL BENZENE                     | LC50 | no data available |     |
| STYRENE                                     | LC50 | 1.25 mg/l         | 4 h |
| XYLENE                                      | LC50 | no data available |     |
| CUMENE                                      | LC50 | no data available |     |

**Acute oral toxicity**

| <u>Product</u>                              | <u>Type</u> | <u>Value</u>      | <u>Species</u> |
|---|-------------|-------------------|----------------|
|   | LD50 (Oral) | no data available |                |
| <u>Component</u>                            |             |                   |                |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC | LD50 (Oral) | 4,700 mg/kg       | rat            |
| 1,2,4 TRIMETHYL BENZENE                     | LD50 (Oral) | no data available |                |
| STYRENE                                     | LD50 (Oral) | 560 mg/kg         |                |
| XYLENE                                      | LD50 (Oral) | 4,300 mg/kg       | rat            |
| CUMENE                                      | LD50 (Oral) | no data available |                |

**Acute dermal toxicity**

| <u>Product</u>                              | <u>Type</u>   | <u>Value</u>      | <u>Species</u> |
|---|---------------|-------------------|----------------|
|   | LD50 (Dermal) | no data available |                |
| <u>Component</u>                            |               |                   |                |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC | LD50 (Dermal) | no data available |                |
| 1,2,4 TRIMETHYL BENZENE                     | LD50 (Dermal) | no data available |                |
| STYRENE                                     | LD50 (Dermal) | no data available |                |
| XYLENE                                      | LD50 (Dermal) | > 1,700 mg/kg     | rabbit         |
| CUMENE                                      | LD50 (Dermal) | no data available |                |

**12. ECOLOGICAL INFORMATION**

Ecotoxicological Information : There is no data available for this product.

**13. DISPOSAL CONSIDERATIONS**

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

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**14. TRANSPORT INFORMATION**

**This material is classified as a Combustible Liquid per DOT regulations; however, it is not regulated by DOT when shipped as non-bulk ground shipments. Bulk shipments of this material are subject to specific DOT requirements. Please consult DOT regulations for specific requirements.**

|      |                        |               |
|------|------------------------|---------------|
| DOT  | : Proper shipping name | Not regulated |
| IATA | : Proper shipping name | PAINT         |
|      | UN-No                  | <b>1263</b>   |
|      | Class                  | 3             |
|      | Packaging group        | III           |

**15. REGULATORY INFORMATION**

**SARA 311/312 (RTK)**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

FIRE HAZARD IMMEDIATE (ACUTE) HEALTH HAZARD DELAYED (CHRONIC) HEALTH HAZARD

**SARA 313**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

| <u>Weight %</u> | <u>CAS No.</u> | <u>Chemical Name</u>    |
|-----------------|----------------|-------------------------|
| 15.00 - 40.00 % | 95-63-6        | 1,2,4 TRIMETHYL BENZENE |
| 10.00 - 30.00 % | 100-42-5       | STYRENE                 |
| 1.00 - 5.00 %   | 1330-20-7      | XYLENE                  |
| 1.00 - 5.00 %   | 98-82-8        | CUMENE                  |

**CERCLA**

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

| <u>RQ</u> | <u>CAS No.</u> | <u>Chemical Name</u> |
|-----------|----------------|----------------------|
| 1,000 lbs | 100-42-5       | STYRENE              |
| 100 lbs   | 1330-20-7      | XYLENE               |
| 5,000 lbs | 98-82-8        | CUMENE               |

**TSCA Section 12(b) Export Notification**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

| <u>CAS No.</u> | <u>Chemical Name</u> |
|----------------|----------------------|
|----------------|----------------------|

There are no TSCA 12(b) Chemicals in this product.

**California Proposition 65**

The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

| <u>CAS No.</u> | <u>Chemical Name</u> |
|----------------|----------------------|
|----------------|----------------------|

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108-88-3 TOLUENE  
71-43-2 BENZENE

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### 16. OTHER INFORMATION

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Legend : N.E. - Not Established  
TLV - Threshold Limit Value  
STEL - Short Term Exposure Limit  
PEL - Permissible Exposure Limit  
CEIL - Ceiling

Prepared By : Environment, Health and Safety Department

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End of MSDS.