



# Material Safety Data Sheet

Huvasol LTD-80  
Part Number: 11H0320480

Hukill Chemical Corporation  
7013 Krick Road  
Bedford, OH 44146-4493

## Section I: Chemical Product & Company Identification

|                         |  |                                    |                     |   |
|-------------------------|--|------------------------------------|---------------------|---|
| <b>Manufacturer</b>     | Hukill Chemical Corporation<br>7013 Krick Road<br>Bedford, OH 44146-4493 | <b>Emergency Telephone Number</b>  | (800) 962-1143      |   |
|                         |  | <b>Chemtrec's Telephone Number</b> | (800) 424-9300      |   |
|                         |  | <b>Prepared By</b>                 | Brian Peebles       |   |
| <b>Telephone Number</b> | (440) 232-9400   | <b>Date Prepared</b>               | July 17, 2002       |   |
| <b>Fax Number</b>       | (440) 232-9477   | <b>HMIS</b>                        | <b>Health</b>       | 2 |
| <b>Web Site</b>         | http://www.hukill.com  |                                    | <b>Flammability</b> | 3 |
| <b>Email</b>            | hukill@hukill.com  |                                    | <b>Reactivity</b>   | 0 |
| <b>Synonyms</b>         |  |                                    |                     |   |

## Section II: Composition/Information On Ingredients

| Hazardous Components          | Reportable Under SARA Section 313 | CAS Number | OSHA Limits (ppm) |      |         | ACGIH TLV (ppm) | %     |
|-------------------------------|-----------------------------------|------------|-------------------|------|---------|-----------------|-------|
|                               |                                   |            | PEL               | STEL | Ceiling |                 |       |
| Acetone                       | No                                | 67-64-1    | 1000              | N/A  | N/A     | 500             | 5-20  |
| Toluene                       | Yes                               | 108-88-3   | 200               | 300  | 500     | 50 Skin         | 5-20  |
| Xylene (o-,m-,p- isomers)     | Yes                               | 1330-20-7  | 100               | --   | N/A     | 100             | 5-20  |
| Methyl ethyl ketone (MEK)     | Yes                               | 78-93-3    | 200               | --   | N/A     | 200             | 40-60 |
| PM Acetate                    | No                                | 108-65-6   | N/A               | N/A  | N/A     | N/A             | 1-5   |
| Butyl acetate                 | No                                | 123-86-4   | 150               | N/A  | N/A     | 150             | 10-20 |
| Butyl alcohol, n-             | Yes                               | 71-36-3    | --                | N/A  | 50      | N/A             | 10-20 |
| Ethanol                       | No                                | 75-07-0    | 1000              | N/A  | N/A     | 1000            | 0-5   |
| Methyl isobutyl ketone (MIBK) | Yes                               | 108-10-1   | 50                | N/A  | N/A     | 50              | 0-15  |
| n-Propyl acetate              | No                                | 109-60-4   | 200               | N/A  | N/A     | 200             | 0-10  |
| Petroleum Naphtha (340 HT)    | No                                | 67942-88-7 | 400               | N/A  | N/A     | 400             | 0-10  |
| PM Acetate                    | No                                | 108-65-6   | N/A               | N/A  | N/A     | N/A             | 0-10  |

\* mg/m<sup>3</sup> instead of ppm.

## Section III: Hazardous Identification

|   |                    |     |                        |     |                        |     |  |
|---|--------------------|-----|------------------------|-----|------------------------|-----|--|
| <b>Emergency Overview:</b>  |                    |     |                        |     |                        |     |  |
|   |                    |     |                        |     |                        |     |  |
| <b>Route(s) of Entry</b>  | <b>Inhalation?</b> | Yes | <b>Skin?</b>           | Yes | <b>Ingestion?</b>      | Yes |  |
| <b>Health Hazards (Acute and Chronic)</b>   |                    |     |                        |     |                        |     |  |
| Liquid is irritating to eyes and skin. Inhalation of high concentrations may cause CNS depression. Liquid is moderately toxic and may be harmful if swallowed. Preexisting eye, skin and respiratory disorders may be aggravated. |                    |     |                        |     |                        |     |  |
| <b>Signs and Symptoms of Exposure</b>   |                    |     |                        |     |                        |     |  |
| Irritation as noted above. Early CNS depression may be indicated by headache, dizziness and nausea. Severe CNS depression could cause unconsciousness and death.  |                    |     |                        |     |                        |     |  |
| <b>Carcinogenicity</b>  | <b>NTP</b>         | Yes | <b>IARC Monographs</b> | No  | <b>OSHA Regulated?</b> | No  |  |
| <b>Comments</b>   | None.              |     |                        |     |                        |     |  |



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## Section IV: First Aid

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Hold eyelids out and wash eyes to remove material.   |
| <b>Skin Contact</b> | Remove contaminated clothing and wash affected areas with soap and water.  |
| <b>Inhalation</b>   | Move victim to fresh air. Give rescue breathing or supply oxygen if needed. If exposure is sufficient to cause CNS depression, seek medical attention.   |
| <b>Ingestion</b>    | Seek medical attention. Do not induce vomiting unless medical attention is not immediately available. Stomach pumping by a physician is safer than inducing vomiting when volatile (and not extremely toxic) substances are ingested, due to aspiration hazard. If vomiting occurs, hold victim's head low to prevent aspiration of vomit. |

## Section V: Fire Fighting Measures

|   |  |            |            |
|---|--|------------|------------|
| <b>Flash Point (method used)</b>  | <b>Flammable Limits</b>                  | <b>LEL</b> | <b>UEL</b> |
| < 80 F  |  | N/A        | N/A        |
| <b>Extinguishing Media</b>  | Use water fog, foam, dry chemical or CO2 |            |            |
| <b>Special Fire Fighting Procedures</b>   |  |            |            |
| Wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full chemical-resistant skin cover. Cool containers exposed to intense heat, to prevent pressure build-up that could cause rupture and explosion. |  |            |            |
| <b>Unusual Fire and Explosion Hazards</b>   |  |            |            |
| Vapor is heavier than air and could settle in low places and ignite a distance from the source.   |  |            |            |

## Section VI: Accidental Release Measures

|  |
|--|
| <b>Steps to Be Taken in Case Material is Released or Spilled</b>   |
| Stop spill at the source if safety permits. Prevent from entering sewers or waterways. Remove ignition sources and use spark-proof tools. Absorb smaller spills with vermiculite or floor absorbant. For a large spill, notify the proper authorities. |
| <b>Waste Disposal Method</b>   |
| Pump material into clean containers for reclamation. Dispose of waste and contaminated materials according to state, federal, and local regulations. Waste and clean-up materials are considered hazardous under EPA-RCRA (40CFR 261.)                 |

## Section VII: Handling And Storage

|  |
|--|
| <b>Precautions to Be Taken in Handling and Storing</b>   |
| All equipment and containers used for transfer must be bonded and grounded for safe handling. Empty containers may contain explosive vapors.   |
| <b>Other Precautions</b>   |
| Never release flammable mist or vapor into a vacuum or spray pressurized material into ambient conditions, without first taking the proper solvent resistivity precautions. This could cause static discharge and explosion. |



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## Section VIII: Exposure Controls, Personal Protection

|  |   |  |                   |
|--|---|--|-------------------|
| <b>Respiratory Protection (Specify)</b>                                    | Chemical cartridge approved for organic vapor if needed. Supplied-air or SCBA if other circumstances require. |  |                   |
| <b>Ventilation</b>   | <b>Local Exhaust</b>  | Sufficient to keep ambient concentrations below exposure limits. |                   |
|  | <b>Mechanical (General)</b>   | Use explosion-proof ventilation as required.                     |                   |
|  | <b>Special</b>  | None   | <b>Other</b> None |
| <b>Protective Gloves</b>   | Chemical resistant.   |  |                   |
| <b>Eye Protection</b>  | Safety glasses or goggles.  |  |                   |
| <b>Other Protective Clothing or Equipment</b>                              |   |  |                   |
| Cover all skin that might be susceptible to exposure.                      |   |  |                   |
| <b>Work/Hygienic Practices</b>   |   |  |                   |
| Wash hands after handling and before eating, smoking, or using the toilet. |   |  |                   |

## Section IX: Physical And Chemical Properties

|   |              |   |        |
|---|--------------|---|--------|
| <b>Boiling Point</b>  | N/A          | <b>Specific Gravity (H2O = 1)</b>           | N/A    |
| <b>Vapor Pressure (mm Hg)</b>   | N/A          | <b>Melting Point</b>                        | N/A    |
| <b>Vapor Density (Air = 1)</b>  | N/A          | <b>Evaporation Rate (Butyl Acetate = 1)</b> | N/A    |
| <b>Solubility In Water</b>  | N/A          |   |        |
| <b>Appearance and Odor</b>  | <b>State</b> |   | Liquid |
| Colorless, strong organic solvent odor. Physical properties vary with solution composition. |              |   |        |

## Section X: Stability And Reactivity

|  |  |       |
|--|--|-------|
| <b>Stability</b>                             | <b>Conditions to Avoid</b>   | None. |
| Stable                                       |  |       |
| <b>Incompatibility (Material to Avoid)</b>   | Strong acids, alkali, and oxidizers.                                       |       |
| <b>Hazardous Decomposition of Byproducts</b> | Carbon Monoxide and unidentified organics may be formed during combustion. |       |
| <b>Hazardous Polymerization</b>              | <b>Conditions to Avoid</b>   | None. |
| Will not occur                               |  |       |

**DOT Shipping Name:** Compounds, Cleaning Liquid (Methyl Isobutyl Ketone, Xylene)

**Hazard Class:** 3

**UN Number:** NA1993

**PGII**

*The information contained herein has been approved by Hukill Chemical Corporation and is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Hukill Chemical Corporation will not be liable for any damages, losses, injuries or consequential damages that may result from the use or reliance of any information contained herein.*