

# SAFETY DATA

PRODUCT NAME: **Numica Catalyst**

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SPR INTERNATIONAL INC.  
320 Northpoint Pkwy. Suite K  
Acworth, GA 30102

02/08/2012

OFFICE TELEPHONE NUMBER: Acworth, GA (770) 966-1331

**EMERGENCY TELEPHONE NUMBER: 3-E 1-800-451-8346**, Office 8:00 am to 5pm  
Mon - Fri E.S.Time 770-966-1331, .

**The information contained herein is required by law, however the actual use of this product may pose slight or no hazards if all safety precautions are observed.**

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## SECTION I -- PRODUCT IDENTIFICATION

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PRODUCT NO. **Numica Hardener**  
PRODUCT NAME: CATALYST - HARDNER

PRODUCT CLASS: Co reactant for 2-package urethane Coating

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## SECTION II -- HAZARDOUS INGREDIENTS

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CAS NO. 108-65-6 INGREDIENT: 1-Methoxy-2-Propanol Acetate Propriety.

% by WEIGHT: 40 ACGIH-TLV: NOT ESTABLISHED OSHA-PEL UNITS  
V.P.-1.8

INGREDIENT: Toluene Diisocyanate Polymer

% by WEIGHT: 60 ACGIH-TLV: NOT ESTABLISHED OSHA-PEL UNITS  
V.P.-0

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INGREDIENT: Max. free Toluene Diisocyanate

% by WEIGHT: 0.4 ACGIH-TLV: 0.005 OSHA-PEL C 0.02 UNITS PPM

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## SECTION III -- PHYSICAL DATA

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EVAPORATION RATE -- Slower than Ether

VAPOR DENSITY -- Heavier than air

BOILING RANGE: 284-302 F. VOLATILE VOLUME 47.7% WT/GAL 9.57 lb.

VOC (Theoretical) 3.83 lb. 459 gm.

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## SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

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FLAMMABILITY CLASSIFICATION: Combustible, Flash above 99 and below 200 F.

FLASH POINT: 108 F PMCC LEL 1.3

EXTINGUISHING MEDIA  
Carbon Dioxide, Dry Chemical, Foam

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**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame.

Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**SPECIAL FIRE FIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be explosive when exposed to extreme heat.

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**SECTION V -- HEALTH HAZARD DATA**

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**ROUTES OF EXPOSURE**

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

**ACUTE HEALTH HAZARDS**

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**EFFECTS OF OVEREXPOSURE**

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

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**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

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**EMERGENCY AND FIRST AID PROCEDURES**

If **INHALED**: If any breathing problems occur during use, **LEAVE THE AREA** and get fresh air. If problems remain or occur later, **IMMEDIATELY** get medical attention.

If on **SKIN**: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

If in **EYES**: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**CHRONIC HEALTH HAZARDS**

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Toluene Diisocyanate (TDI), listed by NTP, has been shown to cause cancer in laboratory animals when administered directly into the stomach. No evidence of cancer from exposure to TDI by inhalation has been reported.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, and blood forming systems.

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Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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## SECTION VI -- REACTIVITY DATA

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STABILITY -- STABLE

### INCOMPATIBILITY

Contamination with Water, Alcohols, Amines and other compounds, which react with isocyanates, may result in dangerous pressure in, and possible bursting of, closed containers.

### HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Monoxide, Oxides of Nitrogen, possibility of Hydrogen Cyanide

HAZARDOUS POLYMERIZATION -- Will Not Occur

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## SECTION VII -- SPILL OR LEAK PROCEDURES

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### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area. All personnel in the area should be protected as in Section VIII. Cover spill with absorbent material. Deactivate spilled material with a 10% ammonium hydroxide solution (household ammonia). After 10 minutes, collect in open containers and add more ammonia. Cover loosely. Wash spill area with soap and water.

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Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

## SECTION VIII -- PROTECTION INFORMATION

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### PRECAUTIONS TO BE TAKEN IN USE

NO PERSON SHOULD USE THIS PRODUCT, OR BE IN THE AREA WHERE IT IS BEING USED, IF THEY HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCYANATES. Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. This coating may contain materials classified as nuisance particulates, such as titanium dioxide or calcium carbonate (see ACGIH TLV List, Preface and Appendix D), which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m<sup>3</sup> (total dust), OSHA PEL 15 mg./m<sup>3</sup> (respirable fraction).

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

Where over spray is present, a positive pressure air supplied respirator (TC19C NIOSH/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator

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approved by NIOSH/MSHA for protection against materials in Section II may be effective. Follow respirator manufacturer's directions for use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust, which may be generated from this product, underlying paint, or the abrasive.

#### PROTECTIVE GLOVES

Wear gloves, which are recommended by glove supplier for protection against materials in Section II.

#### EYE PROTECTION

Wear safety spectacles with unperforated side shields.

#### OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

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### SECTION IX -- PRECAUTIONS

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#### DOL STORAGE CATEGORY -- 2

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are COMBUSTIBLE. Keep away from heat and open flame. Consult NFFA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of reach of children.

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#### OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, **READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.** Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside control, we make no warranties , express or implied, and assume no liability in connection with any use of this information.