



Manufacturers of Carpet Cleaning Equipment,  
Chemicals, and Janitorial Supplies.  
1651 Blalock, Houston, TX 77080  
(713) 932-8293 \* Fax (713) 932-7605

**MATERIAL SAFETY DATA SHEET**  
**AND SAFE HANDLING AND DISPOSAL INFORMATION**

**DATE:** DECEMBER 14, 2005

**PRODUCT NAME:** CITRIC ACID

**SUPERSEDES:** ALL OTHERS

**PRODUCT NUMBER:** 5046

**PG. 1/2**

**SECTION I - EMERGENCY CONTACTS**

NAMCO MANUFACTURING INC. (713) 932-8293 OR (800) 634-5816

POISON CENTER: (800) 764-7661

**SECTION II - HAZARDOUS INGREDIENTS - NONE**

**SECTION III - PHYSICAL DATA**

**CHEMICAL NAME & SYNONYMS:** CITRIC ACID

**CHEMICAL FAMILY:** ORGANIC ACID C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>

**SOLUBILITY IN WATER -** 162/100ml @ 25c

**APPEARANCE & ODOR -** FREE FLOWING WHITE CRYSTALLINE MATERIAL, ODORLESS

**SECTION IV - FIRE & EXPLOSION HAZARD DATA -**

NONE

**SECTION V - REACTIVITY DATA -**

**STABILITY:** STABLE

**INCOMPATIBILITY (materials to avoid):** AQUEOUS REACTION WITH CAUSTIC CAN CREATE HEAT.

**HAZARDOUS POLYMERIZATION -** WILL NOT OCCUR

**SECTION VI - SPILL OR LEAK PROCEDURES -**

**SPILL OR RELEASE CONTROLS -** CLEAN BY VACUUM OR BROOM SWEEPING AND REMOVE TO DISPOSAL CONTAINER.

**WASTE DISPOSAL METHOD -** COVER WITH SODA ASH OR SODIUM BICARBONATE TO NEUTRALIZE. MIX AND ADD WATER IF NECESSARY SCOOP UP SLURRY OR WASH DOWN DRAIN WITH EXCESS WATER. ALL PROCEDURES TO BE DONE IN ACCORDANCE WITH REGULATIONS.

**SECTION VII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** DUST MASK

**VENTILATION -** LOCAL

**PROTECTIVE GLOVES -** RUBBER OR VINYL

**EYE PROTECTION -** SPLASH GOGGLES

**OTHER PROTECTIVE EQUIPMENT:** EYES, NOSE, & MOUTH SHOULD BE COVERED TO PREVENT IRRITATION.

HEALTH : 1  
FIRE : 0  
REACTIVITY : 0  
SPECIAL : 0

=====

**SECTION VIII - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORING:** NORMAL GMP HANDLING & STORING PROCEDURES, STORE IN SEALED CONTAINER TO PREVENT DUSTING.

=====

**SECTION IX - HEALTH HAZARD DATA**

**EFFECTS OF OVEREXPOSURE -** SLIGHT IRRITATION TO THE EYES

**EMERGENCY FIRST AID PROCEDURES:** FLUSH WITH WATER.

=====