

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-994/994-36-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

994-36-5

**Code:**

M

**RTECS:****Code:**

X

**Name:**

SODIUM CITRATE

**Other REC Limits:**

N/K

**OSHA PEL:**

NOT APPLICABLE

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

NOT APPLICABLE

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

WHEN DUSTY CONDITIONS EXIST, WEAR A NIOSH/MSHA APPROVED DUST MASK TO GUARD AGAINST NUISANCE PARTICULATES.

**Ventilation:**

PROVIDE GENERAL VENTILATION AND LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

**Protective Gloves:**

IMPERVIOUS GLOVES (FP N).

**Eye Protection:**

CHEMICAL WORKERS GOGGLES (FP N). 11

**Other Protective Equipment:**

Equipment PROTECTIVE CLOTHING ARE USUALLY NOT NECESSARY BUT MAY BE DESIRABLE IN SPECIFIC WORK SITUATIONS.

**Work Hygienic Practices:**

NONE SPECIFIED BY MANUFACTURER.

**Supplemental Safety and Health:**

NONE SPECIFIED BY MANUFACTURER.

## Health Hazards Data

**LD50/LC50/Mixture:**

NONE SPECIFIED BY MANUFACTURER. 9

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

SKIN: MAY DEVELOP SUFFICIENT HEAT TO CAUSE BURNS IF LARGE MASS, SUCH AS CAST OF HAND OR ARM, IS KEPT IN CONTACT WITH SKIN WHILE HARDENING. MAY DRY SKIN. INHALATION: BREATHING OF MIXING DUST MAY CAUSE IRRITATION TO EYES, NOSE, THROAT, OR UPPER RESPIRATORY SYSTEM. INGESTION: PLASTER HARDENS WHEN WETTED, (EFTS OF OVEREXP)

**Explanation Of Carcinogenicity:**

NOT RELEVANT.

**Signs And Symptoms Of Overexposure:**

HEALTH HAZARDS: AND IF INGESTED MAY RESULT IN OBSTRUCTION.

**Medical Cond Aggravated By Exposure:**

PRE-EXISTING UPPER RESPIRATORY AND MEDICAL DISEASE SUCH AS, BUT NOT LIMITED TO, BRONCHITIS, EMPHYSEMA AND ASTHMA.

**First Aid:**

EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES TO REMOVE PARTICLES. IF IRRITATION PERSISTS, CALL PHYSICIAN. SKIN: WASH WITH WATER. INGESTION: PLASTER HARDENS WHEN WETTED, AND IF INGESTED MAY RESULT IN OBSTRUCTION. CALL PHYSICIAN. INHALATION: REMOVE TO FRESH AIR.

**Spill Release Procedures:**

SWEEP OR VACUUM MATERIAL FROM SPILLAGE INTO WASTE CONTAINER FOR DISPOSAL. AVOID DUSTING CONDITIONS. SLURRY MAY PLUG DRAINS.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

MATERIAL CAN BE DISPOSED OF AS AN INERT SOLID IN LANDFILL OR BY OTHER PROCEDURES WHICH ARE ACCEPTED UNDER FEDERAL, STATE AND LOCAL REGULATIONS.

**Handling And Storage Precautions:**

DEW POINT CONDITIONS, OR OTHER CONDITIONS CAUSING PRESENCE OF LIQUID WATER, WILL HARDEN PLASTER DURING STORAGE. 10

**Other Precautions:**

BE SURE PROPER VENTILATION, RESPIRATOR AND EYE PROTECTION ARE USED UNDER DUSTING CONDITIONS.

## Fire and Explosion Hazard Information

**Flash Point Method:**

TCC

**Flash Point:****Flash Point Text:**

NONE

**Autoignition Temp:****Autoignition Temp Text:**

N/A

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

USE MEDIA SUITABLE FOR SURROUNDING FIRE CONDITIONS (FP N).

**Fire Fighting Procedures:**

WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

**Unusual Fire/Explosion Hazard:**

NONE SPECIFIED BY MANUFACTURER.

## Physical/Chemical Properties

**HCC:****NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****N/P Text:****Melt/Freeze Pt:****Melt/Freeze Pt:****Decomp Temp:****Decomp Text:****N/K****Vapor Pres:****N/K****Vapor Density:****N/K****Volatile Org Content %:****Spec Gravity:**

2.6-3.2(H2O=1)

**VOC Pounds/Gallon:****PH:**

N/K

**VOC Grams/Liter:****VOC Grams/Liter:****Viscosity:****N/P****Evaporation Rate & Reference:****N/K****Solubility in Water:**

0.2%

**Appearance and Odor:**

WHITE POWDER, LOW ODOR.

**Percent Volatiles by Volume:****N/K****Corrosion Rate:****N/K**

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

NONE SPECIFIED BY MANUFACTURER.

**Materials To Avoid:**

ACIDS.

**Hazardous Decomposition Products:**

ABOVE 1450C-SO<sub>2</sub>, CA\*O.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NOT RELEVANT.

## Toxicological Information

**Information:****N/P**

## MSDS Transport Information

**Information:****N/P**

## Regulatory Information

**Sara Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

## Other Information

**Other Information:****N/P**

For R&D use only. Not for drug, household or other uses.

WARRANTY: Information is believed to be correct but does not purport to be "inclusive and shall be applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

