

MATERIAL SAFETY DATA SHEET

Trade Name: TINTYPE DEVELOPER

General Information

Company's Name: ROCKLAND COLLOID LLC
Company's P.O. Box: 3120
Company's City: Oregon City
Company's State: OR
Company's Country: US
Company's Zip Code: 97045
Company's Emergency Ph #: 914-413-3000
Date MSDS Prepared: 01JAN96
Safety Data Review Date: 01/13/13
Unit of Issue Container Qty: 250 CC
Type of Container: PLASTIC BOTTLE

Ingredients/Identity Information

Proprietary: NO
Ingredient: AMMONIUM THIOCYANATE (SARA III)
Ingredient Sequence Number: 01
Percent: 41
NIOSH (RTECS) Number: XK7875000
CAS Number: 1762-95-4
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: BALANCE
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED --

Physical/Chemical Characteristics

Appearance and Odor: COLORLESS, DELIQUESCENT CRYSTALS.ODORLES OR SL NH*3
Specific Gravity: 1.31
Solubility in Water: COMPLETE

Fire and Explosion Hazard Data

Flash Point: NONE
Extinguishing Media: EXTINGUISH W. AGENT SUITABLE FOR SURROUNDING FIRE.
Special Fire Fighting Proc: WEAR SELF-CNTD BRTHG, APP H2O SPRAY TO COOL CONTROL.
Unusual Fire And Explosive Hazards: NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

Reactivity Data

Stability: YES
Materials To Avoid: STRONG ACIDS, LEAD NITRATE,KCLO*3.GIVES HCN W/ACIDS.

Hazardous Decomposition Products: TOXIC FUMES OF NH*3, NITRIC OXIDES, SO*2 & CYANIDE WHEN HEATED. Hazardous Poly Occur: NO

Health Hazard Data

Signs/Symptoms Of Overexposure: INGEST: MAY CAUSE VOMITG, LOW BLOOD PRESSURE & DEATH; EYES/SKIN: MAY CAUSE IRRIT, REDNESS; INH: NO HEALTH PROBLEM
Emergency/First Aid Proc: INHAL: RMV TO FRESH AIR. GIVE CPR/OXYGEN IF BREATHING IS DIFFICULT. GET MD; INGEST: IMMEDIATELY INDUCE VOMIT BY GIVING 2 GLASSES OF WATER. NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTN IMMEDIATELY; SKIN/EYES: FLUSH IMMEDIATELY WITH LARGE QUANTITY OF WATER FOR 15 MIN. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTN.

Precautions for Safe Handling and Use

Steps If Material Released/Spill: VENTILATE AREA OF SPILL. CLEAN UP PERSONS
NEED PROTECTIVE CLOTHING/RESPROTECTIVE EQUIPMENT FROM DUST. PICK UP SPILL & PLACE IN A SUITABLE CONTAINER FOR RECLAMATION OR DISPOSAL IN A METHOD THAT DOES NOT GENERATE DUST.
Waste Disposal Method: WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE DISPOSED AS HAZARDOUS WASTE IN A RCRA APPROVED WASTE DISPOSAL FACILITY. COMPLY WITH LOCAL, STATE & FEDERAL REGULATIONS; CWA/CERCLA RQ: 5000 LBS.
Precautions-Handling/Storing: KEEP IN TIGHTLY CLOSED CONTAINERS AT COOL, DRY, VENTILATED PLACE. PROTECT AGAINST PHYSICAL DAMAGE. ISOLATE FROM OXIDIZING MATERIALS. STORE IN THE DARK.
Other Precautions: AVOID BREATHING DUST. USE WITH ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED. WASH THOROUGHLY AFTER HANDLING. AVOID SKIN, EYES & CLOTHING CONTACT; WARNING! HARMFUL IF SWALLOWED.

Control Measures

Respiratory Protection: SUPPLIED AIR RESPIRATOR/SCBA; ESCAPE: GAS MASK
Ventilation: LOCAL EXHAUST TO MAINTAIN BELOW TLV.
Protective Gloves: IMPERVIOUS Eye Protection: GOGGLES/FACE SHIELD
Other Protective Equipment: FULL PROTECTIVE CLOTHING, SAFETY SHOWER, EYE WASH STATION
Suppl. Safety & Health Data: MSDS FROM MANUFACTURER DATED: 08-13-85 WHICH CONFORMS TO OSHA HAZARDOUS COMMUNICATION STANDARDS.

Transportation Data

Transportation Data Review Date: 86147
DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Code: ZZZ
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
Additional Transport Data: DOT RQ: 5000 LBS.

Label Data

Label Required: YES
Label Status: G
Common Name: AMMONIUM THIOCYANATE
Special Hazard Precautions: INGEST: MAY CAUSE VOMITG, LOW BLD PRESSURE &

DEATH; EYES/SKIN: MAY CAUSE IRRIT, REDNESS; INHALATION: NO HEALTH PROBLEM

Label Name: Part 3

Label Emergency Number: 914-413-3000