

# MATERIAL SAFETY DATA SHEET

IDENTITY POWER 24-0-0

## SECTION I

MANUFACTURED BY: FLORATINE PRODUCTS GROUP/144 MID SOUTH COVE/ COLLIERVILLE, TN INFORMATION  
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## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

NO HAZARDOUS COMPONENTS OSHA PEL N/A--ACGIH TLV N/A--OTHER LIMITS RECOMMENDED N/A  
UREA AMMONIUM NITRATE SODIUM MOLYBDATE

## SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT 225°F (107°C) APPEARANCE & ODOR TRANSPARENT (BROWN) LIQUID  
SPECIFIC GRAVITY: H<sub>2</sub>O=1 1.147 @ 60°F MELTING/FREEZING POINT N/A-32°F (0°C)  
EVAPORATIONRATE NON VOLATILE VAPOR PRESSURE GREATER THAN 1.0 @ 100°F  
SOLUBILITY IN WATER COMPLETE VAPOR DENSITY AIR = 1.07 @ 60°F

## SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A  
EXTINGUISHER MEDIA: NON FLAMABLE SPECIAL FIRE FIGHTING PROCEDURES: NONE  
UNUSUAL FIRE AND EXPLOSION HAZARDS - NONE FLASH POINT: N/A

## SECTION V - REACTIVITY DATA

STABILITY: STABLE CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY: (MATERIALS TO AVOID): UAN WILL FORM NITROGEN TRICHLORIDE WHICH MAY BE EXPLOSIVE, WHEN MIXED WITH CHLORINE AND HYPOCHLORITES. UAN WILL FORM UREA NITRATE WHEN MIXED WITH NITRIC ACID AT LOW pH. UREA NITRATE MAY BECOME UNSTABLE AND/OR EXPLOSIVE UNDER CERTAIN CONDITIONS. UAN PUMPS OPERATED WITH BLOCKED DISCHARGE HAVE BEEN KNOWN TO DETONATE. WHEN UAN IS HEATED TO DECOMPOSITION IT MAY PRODUCE VAPORS CONTAINING NITROGEN OXIDES (NO<sub>x</sub>) AND AMMONIA.  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID: NONE

## SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY: INHALATION: YES INGESTION: YES SKIN: YES EYE CONTACT: YES  
HEALTH EFFECTS: CONTACT WITH EYES OR SKIN MAY CAUSE IRRITATION. IF INGESTED SMALL AMOUNT MAY CAUSE NAUSEA, DIARRHEA OR STOMACH DISCOMFORT.  
SIGNS & SYMPTOMS OF EXPOSURE: NONE KNOWN.  
CARCINOGENICITY: NTP? N/A IARC MONOGRAPHS? N/A OSHA REGULATED? N/A  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE  
EMERGENCY & FIRST AID PROCEDURES: INGESTION: UAN IS NOT ACUTELY TOXIC BY THE ORAL ROUTE OF EXPOSURE. IF CONSCIOUS, GIVE LARGE AMOUNTS OF MILK OR WATER TO DRINK IMMEDIATELY. DO NOT INDUCE VOMITING AND SEEK MEDICAL ATTENTION. EYE CONTACT: CONTACT WITH THE SKIN OR EYES MAY CAUSE IRRITATION. FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES.  
SKIN: IF IRRITATION, PAIN, SWELLING, EXCESSIVE TEARING, OR LIGHT SENSITIVITY PERSISTS SEEK MEDICAL ATTENTION. INHALATION: NOT AN INHALATION HAZARD. IF IRRITATION OCCURS, MOVE TO FRESH AIR AND MONITOR. IF COUGH OR DIFFICULTY IN BREATHING DEVELOPS, EVALUATE FOR RESPIRATORY TRACT IRRITATION. ADMINISTER SUPPLEMENTAL OXYGEN IF TRAINED TO DO SO. IF IRRITATION, COUGHING, OR DIFFICULTY IN BREATHING PERSISTS, SEEK MEDICAL ATTENTION.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: PREVENT UAN FROM ENTERING WATERWAYS OR SEWERS; NITROGEN SOLUTIONS CAN BE TOXIC TO AQUATIC LIFE AND SPILLS MAY CAUSE ALGAE BLOOMS IN STATIC WATERS. NOTIFY LOCAL HEALTH AND WILDLIFE OFFICIALS OF ANY NEARBY WATER INTAKES OF CONTAMINATION AND DISCHARGE INTO OR LEADING TO WATERWAYS.  
WASTE DISPOSAL METHOD: IF UNCONTAMINATED, RECOVER AND REUSE. IF CONTAMINATED SPREAD ON CROPLAND IN A DILUTED FORM FOR CROP UTILIZATION.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP FROM FREEZING

## SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: N/A  
VENTILATION: LOCAL EXHAUST: YES SPECIAL: NONE OTHER: NONE  
MECHANICAL: YES EYE PROTECTION: FROM DIRECT CONTACT GOGGLES RECOMMENDED  
PROTECTIVE GLOVES: YES, IF HANDLED FOR AN EXTENDED PERIOD OF TIME OR IF SENSITIVITY OCCURS OTHER  
PROTECTIVE CLOTHING OR EQUIPMENT: LIQUID RESISTANT CLOTHING IF PERSON HANDLES UAN FOR AN EXTENDED PERIOD OF TIME OR DEMONSTRATES SENSITIVITY TO UAN  
WORK/HYGENIC PRACTICES: GENERALLY ACCEPTED INDUSTRIAL PRACTICES

6/24/2009