

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-330/330-54-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
330-54-1  
**Code:**  
T

**RTECS:**  
YS8925000  
**Code:**  
T

**Name:**  
DIURON (3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYLUREA)

**Other REC Limits:**  
NK

**OSHA PEL:**  
S, 50 PPM  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
S, 25 PPM; 9293  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
ALWAYS FOLLOW LABEL INSTRUCTIONS WHEN USING THIS PRODUCT. PPE REQUIRED FOR EARLY ENTRY TO TREATED AREAS THAT IS PERMITTED UNDER THE WORKER PROTECTION STANDARD AND THAT INVOLVES ANYTHING THAT HAS BEEN TREATED, SUCH AS PLANTS, SOIL, OR WATER.

**Ventilation:**  
USE ONLY WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY CLOSED.

**Protective Gloves:**  
WATERPROOF GLOVES.

**Eye Protection:**  
N/P

**Other Protective Equipment:**  
Equipment LONG-SLEEVED SHIRT AND LONG PANTS. WATERPROOF GLOVES, SHOES PLUS SOCKS, COVERALLS.

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
FOLLOW MANUFACTURER'S INSTRUCTIONS FOR CLEANING/MAINTAINING PPE. IF NO SUCH INSTRUCTIONS FOR WASHABLES, USE DETERGENT AND HOT WATER. KEEP AND WASH PPE SEPARATELY FROM OTHER LAUNDRY.

## Health Hazards Data

**LD50LC50Mixture:**  
ACUTE ORAL (RAT) LD50 >2,500 MG/KG

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
CAUTION: HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES EYE IRRITATION. SKIN IRRITATION AND SENSITIZATION. - IN SKIN IRRITATION TESTS WITH RABBITS, PRODUCT WAS A PRIMARY SKIN IRRITANT. IT WAS NOT A SKIN SENSITIZER IN TESTS WITH GUINEA PIGS. EYE (RABBIT) - A MILD EYE IRRITANT WITH EYES NORMAL WITHIN 7 DAYS AFTER TREATMENT.

**Explanation Of Carcinogenicity:**  
NONE OF THE COMPONENTS PRESENT IN THIS MATERIAL AT CONCENTRATIONS EQUAL TO OR GREATER THAN 0.1% ARE LISTED BY IARC, NTP, OSHA OR ACGIH AS A CARCINOGEN.

**Signs And Symptions Of Overexposure:**  
SKIN CONTACT MAY INITIALLY CAUSE IRRITATION OR RASH, EYE CONTACT MAY INITIALLY INCLUDE IRRITATION, TEARING, OR BLURRING OF VISION. OVEREXPOSURE BY INHALATION, INGESTION, SKIN OR EYE CONTACT MAY INITIALLY INCLUDE: SKIN IRRITATION WITH DISCOMFORT OR RASH; EYE IRRITATION 2 WITH DISCOMFORT, TEARING, OR BLURRING OF VISION; LIVER ENLARGEMENT; SPLEEN AND THYROID EFFECTS; RED BLOOD CELL DESTRUCTION; OR RED UCTION OF THE BLOOD'S OXYGEN CARRYING CAPACITY WITH CYANOSIS (BLuish DISCOLORATION), WEAK

**Medical Cond Aggravated By Exposure:**  
N/P

**First Aid:**  
INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. EYE CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, IMMEDIATELY GIVE 2 GLASSES OF WATER AND INDUCE VOMITING. NEVER GIVE ANYTHING BY

**Spill Release Procedures:**  
SAFEGUARDS: REVIEW FIRE FIGHTING MEASURES AND HANDLING (PERSONNEL) SECTIONS BEFORE PROCEEDING WITH CLEAN-UP. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING CLEAN-UP. SHOVEL OR SWEEP UP. NEVER RETURN TO CONTAINER FOR REUSE. SCOOP INTO BAGS OR BOXES WITH PLASTIC OR ALUMINUM SHOVEL. IF SPILL AREA IS ON GROUND NEAR VALUABLE PLANTS OR TREES, REMOVE 2 INCHES OF SOIL AFTER INITIAL CLEAN UP.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
TREATMENT, STORAGE, TRANSPORTATION, AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL, AND LOCAL REGULATIONS. REMOVE NONUSABLE SOLID MATERIAL AND/OR CONTAMINATED SOIL, FOR DISPOSAL IN AN APPROVED AND PERMITTED LANDFILL. DO NOT FLUSH TO SURFACE WATER OR SANITARY SEWER SYSTEM.

**Handling And Storage Precautions:**  
STORE IN A WELL VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL. USERS SHOULD: WASH HANDS BEFORE EATING, DRINKING, CHEWING GUM, USING TOBACCO OR USING THE TOILET.

**Other Precautions:**  
AVOID BREATHING VAPORS OR MIST, AVOID BREATHING DUST. AVOID CONTACT WITH EYES, SKIN, OR CLOTHING. WASH THOROUGHLY AFTER HANDLING. WASH CLOTHING AFTER USE. DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREAS WHERE THEY MAY BECOME CONTAMINATED WITH THIS MATERIAL.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/A

**Autoignition Temp:**  
=420.C, 788.F

**Autoignition Temp Text:**

**Lower Limits:**  
0.135 G/L

**Upper Limits:**  
N/A

**Extinguishing Media:**  
WATER SPRAY, FOAM, DRY CHEMICAL, CO2. MAY BE IGNITED BY HEAT OR OPEN FLAME.

**Fire Fighting Procedures:**  
WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY. RUNOFF FROM FIRE CONTROL MAY BE A POLLUTION HAZARD. 3

**Unusual Fire/Explosion Hazard:**  
IF AREA IS HEAVILY EXPOSED TO FIRE AND IF CONDITIONS PERMIT, LET FIRE BURN ITSELF OUT SINCE WATER MAY INCREASE THE CONTAMINATION HAZARD.

## Physical/Chemical Properties

**HCC:**  
V7

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/P

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/P

**Decomp Temp:**

**Decomp Text:**  
N/P

**Vapor Pres:**  
N/P

**Vapor Density:**  
N/P

**Volatile Org Content %:**

**Spec Gravity:**  
N/P

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/P

**Solubility in Water:**  
DISPERSIBLE

**Appearance and Odor:**  
BROWN SOLID. ODOR: NONE

**Percent Volatiles by Volume:**  
N/P

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
STABLE AT NORMAL TEMPERATURES AND STORAGE CONDITIONS.

**Materials To Avoid:**  
NONE REASONABLY FORESEEABLE.

**Hazardous Decomposition Products:**  
N/P

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
WILL NOT OCCUR.

## 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