THIS MSDS IS FOR A COMPONENT OF CATALOG #: 505-2

SECTION 1. CHEMICAL IDENTIFICATION

NAME: D2630
2-4-DINITROPHENYLHYDRAZINE

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 119-26-6
MF: C6H6N4O4
EC NO: 204-309-3

SECTION 3. HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS
FLAMMABLE (USA DEFINITION)
HIGHLY FLAMMABLE (EUROPEAN DEFINITION)
HARMFUL
HEATING MAY CAUSE AN EXPLOSION.
HARMFUL BY INHALATION IN CONTACT WITH SKIN AND IF SWALLOWED.
MAY CAUSE SENSITIZATION BY SKIN CONTACT.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
POTENTIAL MUTAGEN.
TARGET ORGAN(S): BLOOD
KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.

SECTION 4. FIRST-AID MEASURES

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
DISCARD CONTAMINATED CLOTHING AND SHOES.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
FLAMMABLE SOLID.

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MATERIAL SAFETY DATA SHEET

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UNUSUAL FIRE AND EXPLOSION HAZARDS MAY EXPLODE WHEN HEATED.

SECTION 6. ACCIDENTAL RELEASE MEASURES

EVACUATE AREA.
SHUT OFF ALL SOURCES OF IGNITION.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
SWEEP UP PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.

SECTION 7. HANDLING AND STORAGE

REFER TO SECTION 8.

ADDITIONAL INFORMATION
WARNING: THIS MATERIAL IS CLASSIFIED AS AN EXPLOSIVE WHEN DRY. FIRE FIGHTING SHOULD BE DONE FROM A REMOTE POSITION. MOIST SOLID CONTAINING 30% WATER. UNSTABLE ABOVE 160 DEGREES C.

SECTION 8. EXPOSURE CONTROLS/PERSOAL PROTECTION

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
USE ONLY IN A CHEMICAL FUME HOOD.
SAFETY SHOWER AND EYE BATH.
USE NONSPARKING TOOLS.
DO NOT BREATHE THE DUST.
AVOID PROLONGED OR REPEATED EXPOSURE.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
POTENTIAL MUTAGEN.
SENSITIZER.
HARMFUL.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT. SPARKS, AND OPEN FLAME.
STORE IN A COOL DRY PLACE.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR
MOIST ORANGE TO BRICK-RED POWDER

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES
OXIDIZING AGENTS
HEAT

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS CONTINUED ON NEXT PAGE
Material Safety Data Sheet

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Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

Section 11. - - - - - - - - Toxicological Information - - - - - - -

Acute Effects
Harmful if swallowed, inhaled, or absorbed through skin. Causes eye and skin irritation. May cause allergic skin reaction. Absorption into the body leads to the formation of methemoglobin which in sufficient concentration delayed 2 to 4 hours or longer.

Chronic Effects
Laboratory experiments have shown mutagenic effects. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS #: MV3325000

Section 12. - - - - - - - - Ecological Information - - - - - - -

Data Not Yet Available.

Section 13. - - - - - - - - Disposal Considerations - - - - - - -

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

Section 14. - - - - - - - - Transport Information - - - - - - -

Contact Sigma Chemical Company for transportation information.

Section 15. - - - - - - - - Regulatory Information - - - - - - -

European Information
Highly flammable
Harmful
R 5 Heating may cause an explosion.
R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R 43 May cause sensitization by skin contact.
R 36/37/38 Irritating to eyes, respiratory system and skin. Highly flammable S 16 Keep away from sources of ignition - no smoking.

Section 16. - - - - - - - - Other Information - - - - - - -

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MATERIAL SAFETY DATA SHEET

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NAME: 2-4-DINITROPHENYLMETHANE

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MATERIAL WAS SHIPPED TO THIS ADDRESS:
UNIVERSITY OF WISCONSIN
WHITewater
CENTRAL RECEIPTS/STORES
500 N FREMONT ST
WHITExATER WI 53190