

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-718/71819-51-7.html> for suppliers of this product.

### Composition/Information on Ingredient

1819-51-7

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
C.I. SOLVENT RED 164

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIH STEL:**  
N/P

**Code:**

Control Measure

IF ENGINEERING CONTROLS  
APPROVED RESPIRATOR W

REQUIRED. USE IAW 29 CFR 1910.134.

**Ventilation:**  
USE EXPLOSION-PROOF LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

**Protective Gloves:**  
IMPERVIOUS-NEOPRENE, PVA, VITON.

**Eye Protection:**  
SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

**Other Protective Equipment:**  
Equipment EYE WASH STATION & SAFETY SHOWER.

**Work Hygienic Practices:**  
WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

**Supplemental Safety and Health:**  
EMPTY CONTAINER WARNING: THIS CONTAINER HAZARDOUS WHEN EMPTY! FOLLOW LABEL WARNINGS, EVEN AFTER CONTAINER EMPTY, DUE TO PRODUCT RESIDUES PRESENT. DO NOT USE HEAT, SPRAYS, OPEN FLAMES, TORCHES, CIGARET TES ON OR NEAR CONTAINERS. DO NOT REUSECONTAINER, W/O PROFESSIONAL CLEANING, FOR FOOD, CLOTHING, ETC.

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## Health Hazards Data

**Route Of Entry:** Ind. Inhalation:

**YES**

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
2 ACUTE:INHALATION MAY CAUSE RESPIRATORY IRRITATION & CNS DEPRESSION.INGESTION MAY CAUSE GI TRACT IRRITATION.CAUSES EYE & SKIN IRRITATION.CONTAINS MATERIAL WHICH MAY CAUSE LIVER & KIDNEY DAMAGE.CHRONIC: PROLONGED/REPEATED EXPOSURE MAY CAUSE DAMAGE TO LIVER,KIDNEY,CNS,BLOOD/BLOOD-FORMING ORGANS,LUNGS,SKIN,EYES.

**Explanation Of Carcinogenicity:**  
NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

**Signs And Symptoms Of Overexposure:**  
INHALED-DIZZINESS,HEADACHES,INCOORDINATION,NAUSEA,VOMITING,STOMACH UPSET,WHEEZING,COUGHING,SHORTNESS OF BREATH,TIGHTNESS IN CHEST.INGESTED-IRRITATION OF MOUTH/THROAT/STOMACH,NAUSEA,VOMITING,DIARRHEA,DIZZINESS,FAINTNESS,HEADACHE,INCOORDINATION.SKIN-REDNESS,ITCHING,BURNING SENSATION.EYES-BURNING SENSATION,TEARING,REDNESS

**Medical Cond Aggravated By Exposure:**  
LIVER, KIDNEYS, NERVOUS SYSTEM, BLOOD/BLOOD-FORMING ORGANS, LUNGS, RESPIRATORY SYSTEM, SKIN.

**First Aid:**  
IN ALL CASES GET PROMPT MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES.

**Spill Release Procedures:**  
ISOLATE HAZARD AREA DENY ENTRY ELIMINATE ALL SOURCES OF IGNITION

OF WATER & KEEP OUT OF SOIL.USE PROPER PROTECTIVE EQUIPMENT.COVER WITH ABSORBENT .COLLECT IN CHEMICAL WASTE CONTAINER.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
DISPOSE OF IAW LOCAL, STATE & FEDERAL ENVIRONMENTAL REGULATIONS. EPA HAZWASTE NUMBER D001 MAY APPLY TO UNUSED/UNCONTAMINATED. SPILLS MUST BE REPORTED IAW CERCLA TO NATIONAL RESPONSE CENTER AT 800-424- 8802: XYLENE RQ=100 LB; ETHYL BENZENE RQ=1000 LB.

**Handling And Storage Precautions:**  
STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP OUT OF DIRECT SUNLIGHT.

**Other Precautions:**  
CONTAINERS WILL BE PROPERLY BONDED & GROUNDED BEFORE OPENING, POURING, DISPENSING. OPEN WOTH NON-SPARKING TOOLS. PRODUCT MAY CONTAIN TRACE QUANTITIES OF AROMATIC AMINES, ORTHO-TOLUIDINE & ANILINE-MINI MIZE EXPOSURE BY PROPER HANDLING.

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## Fire and Explosion Hazard Information

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**Flash Point Method:**  
SCC

**Flash Point:**

**Flash Point Text:**  
83.0F,28.3C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
1

**Upper Limits:**  
7

**Extinguishing Media:**  
3 WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM. WATER MAY BE INEFFECTIVE.

**Fire Fighting Procedures:**  
WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

**Unusual Fire/Explosion Hazard:**  
HIGH TEMPERATURES MAY CAUSE CONTAINERS TO RUPTURE. VAPORS CAN TRAVEL TO SOURCE OF IGNITION AND FLASH BACK. FIRE

## Physical/Chemical Properties

**HCC:**  
F3

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
279F,137C

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
5.1

**Vapor Density:**  
UNKNOWN

**Volatile Org Content %:**

**Spec Gravity:**  
0.99

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
UNKNOWN

**Evaporation Rate & Ref:**  
9.5 (ETHYL ETHER=1) 4

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
RED, DARK LIQUID; AROM

**Percent Volatiles by Volume:**  
65

**Corrosion Rate:**  
UNKNOWN

**Reactivity Data:**

YES

**Stability Condition To Avoid:**  
HIGH TEMPERATURES.

**Materials To Avoid:**  
STRONG OXIDIZING AGENTS, REDUCERS, ACIDS, MAY REACT WITH REDUCING AGENTS TO LIBERATE FREE AMINE(S).

**Hazardous Decomposition Products:**  
CARBON MONOXIDE, CARBON DIOXIDE, SMOKE, SOOT, OXIDES OF NITROGEN.

**Hazardous Polymerization Indicator:**  
NO

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

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## Toxicological Information

## MSDS Transport Informa

3-6-11 N/D

## Regulatory Information

**Sara Title III Inf**

**State Regulatory Information:** N/P

## Other Information

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## WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is 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