

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-604/604-59-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
604-59-1  
**Code:**  
M

**RTECS:**  
QL6250000  
**Code:**  
M

**Name:**  
A-NAPHTHOFLAVONE \*95-2\*

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
USE SUPPLIED AIR RESPIRATORS WHERE VAPOR CONCENTRATION EXCEEDS TLV.

**Ventilation:**  
LOCAL EXHAUST

**Protective Gloves:**  
RESISTANT

**Eye Protection:**  
3 SPLASHPROOF SAFETY GLASSES

**Other Protective Equipment:**  
Equipment IMPERVIOUS CLOTHING, BOOTS, WASH FACILITY.

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
SPILL CONT'D: COLLECT INTO A CLOSED CONTAINER FOR LATER DISPOSAL. USE FULL PERSONAL PROTECTION DURING CLEANUP. UPPER/LOWER LIMITS IS FOR CYCLOHEXANE.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT): 1194 MG/KG (CHLOROFORM)

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES, NOSE & RESPIRATORY IRRITATION. DERMATITIS. PAIN IN LIMBS. LIVER & KIDNEY DAMAGE, JAUNDICE.

**Explanation Of Carcinogenicity:**  
SEE INGREDIENTS

**Signs And Symptions Of Overexposure:**  
DULLNESS, VOMITING, DISORIENTATION, FAINTING SENSATION, IRRITATION, DIZZINESS, UNCONSCIOUSNESS, NAUSEA, FATIGUE, WEIGHT LOSS, ANEMIA, PAIN, JAUNDICE.

**Medical Cond Aggravated By Exposure:**  
HISTORY OF HEART, RESPIRATORY, LIVER & SKIN DISEASE

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION. KEEP WARM. EYES: FLUSH W/LARGE AMOUNT OF WATER FOR 15 MINS. SKIN: WASH THOROUGHLY W/SOAP & WATER. INGESTION: 2 DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
ELIMINATE IGNITION SOURCES. REMOVE UNPROTECTED PERSONNEL. KEEP VENTILATED. TAKE UP W/SAND/OTHER ABSORBENT MATERIAL. LARGE: DIKE & IF POSSIBLE S LEAK AT SOURCE. ABSORB OVER SAND, CLAY/OTHER FLOOR AB SORBENT. (SEE SUPP)

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE IN CONTAINERS IN COOL, DRY PLACE AWAY FROM SPARKS, FLAMES/DIRECT SUNLIGHT. KEEP TIGHTLY CLOSED WHEN NOT IN USE. USE/STORE W/ADEQUATE VENTILATION

**Other Precautions:**  
DON'T STORE NEAR STRONG OXIDIZERS. STORE EMPTY CONTAINERS IN SAFE PLACE FOR LATER DISPOSAL.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
-60.8F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
1.31

**Upper Limits:**  
8.35

**Extinguishing Media:**  
DRY CHEMICAL, CO2, WATER SPRAY/FOAM

**Fire Fighting Procedures:**  
WEAR SCBA IN POSITIVE PRESSURE MODE W/FULL FACEPIECE. MOVE CONTAINERS FROM AREA. KEEP CONTAINERS COOL W/FLOODING AMOUNT OF WATER AS FOG.

**Unusual Fire/Explosion Hazard:**  
DANGEROUS HAZARD & MODERATE EXPLOSIVE HAZARD. WHEN EXPOSED TO HEAT/FLAME VAPOR CAN FORM EXPLOSIVE MIXTURE W/AIR.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
<141.8F

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
>1

**Volatile Org Content %:**

**Spec Gravity:**  
<1

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
LESS THAN 1%

**Appearance and Odor:**  
CLEAR COLORLESS LIQUID W/SWEET ODOR

**Percent Volatiles by Volume:**  
99.8

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXTREME TEMP, HEAT, SUNLIGHT/OPEN FLAME

**Materials To Avoid:**  
STRONG OXIDIZERS, NITROGEN OXIDE, HALOGENS, WATER IN PRESENCE OF IRON. ALKALIES, METALS, ACETONE.

**Hazardous Decomposition Products:**  
OXIDES OF CARBON, PHOSGENE, HYDROGEN CHLORIDE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

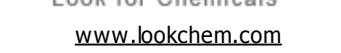
**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P



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