MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses. Click <a href="http://www.lookchem.com/cas-135/13530-68-2.html">http://www.lookchem.com/cas-135/13530-68-2.html</a> for suppliers of this product.

Composition/Information on Ingredient

13530-68-2 Code: Μ RTECS:

Cas:

Code:

N/K (FP N).

**Waste Disposal Methods:** 

PRECIPITATE TO(SUPP DATA)

AT MOD TEMP BLW 120F (49C).

**Other Precautions:** 

WHEN NOT IN USE.

Flash Point Method:

N/P

NONE

N/A

N/A

HCC: C1

N/A 6

NRC/State LIC No:

**Boiling Point:** 

Melt/Freeze Pt:

M.P/F.P Text: N/K (FP N)

**Decomp Temp:** 

**Decomp Text:** N/K (FP N)

**Vapor Pres:** UNKNOWN

**Vapor Density:** UNKNOWN

**Spec Gravity:** 

**VOC Pounds/Gallon:** 

**VOC Grams/Liter:** 

**Evaporation Rate & Reference:** 

AS RECEIVED, BURNT ORANGE LIQUID; AS USED, ORANGE SOLUTION; NO ODOR.

COMBUSTIBLE, OXIDIZABLE OR ORGANIC MAT, CL RELEASE MAT, ALKALIN

1.142

**PH:** 1.6

Viscosity: N/P

**NEGLIGIBLE** 

**COMPLETE** 

**NEGLIG** 

N/K FP N

YES

N/A

NO

N/A

Information:N/P

Information:N/P

**Corrosion Rate:** 

**Stability Indicator:** 

**Materials To Avoid:** 

**Solubility in Water:** 

**Appearance and Odor:** 

**Percent Volatiles by Volume:** 

Reactivity Data

**Stability Condition To Avoid:** 

**Hazardous Decomposition Products:** 

**Hazardous Polymerization Indicator:** 

**Conditions To Avoid Polymerization:** 

ACIDIC FUME FUMES OF OXIDE OF NITROGEN

**Toxicological Information** 

**Regulatory Information** 

Sara Title III Information: N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

Other Information

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Other Information:N/P

**MSDS Transport Information** 

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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

WARRANTY

terms and conditions of sale.

**Volatile Org Content %:** 

**B.P. Text:** UNKNOWN

**Net Prop WT For Ammo:** 

**Lower Limits:** 

**Upper Limits:** 

**Extinguishing Media:** 

Fire Fighting Procedures:

SPLASHING THIS MATERIAL.

**Unusual Fire/Explosion Hazard:** 

Physical/Chemical Properties

Flash Point:

**Flash Point Text:** 

**Autoignition Temp:** 

**Autoignition Temp Text:** 

**Handling And Storage Precautions:** 

Fire and Explosion Hazard Information

WILL NOT BURN OR SUPPORT COMBUSTION UNDER NORMAL CIRCUMSTANCES. 5

Χ Name: CHROMIC ACID (AS CR 5.6%) **Other REC Limits:** NK (FP N)

Μ **OSHA STEL:** Code: **ACGIH TLV:** 

Code: 0.05 Code: Μ

**OSHA PEL:** C, 100 MG(CRO\*3)/CUM

**Control Measures** 

**ACGIHSTEL:** Code: **Respiratory Protection:** NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: LOCAL EXHAUST:PROVIDE ADEQUATE VENTILATION FOR REMOVAL OF MIST.

**Protective Gloves:** NEOPRENE, VINYL OR ACID RESISTANT.

**Eye Protection:** CHEM WORK GOGGLES, FACESHLD OPTIONAL FP N Other Protective Equipment: Equipment NEOPRENE VINYL OR ACID RESISTANT APRON, SLEEVES OR OTHER SUITABLE PROTECTIVE CLTHING. RECOMMEND EYE WASH SAFETY SHOWER. **Work Hygienic Practices:** 

NK (FP N). **Supplemental Safety and Health:** ROUTES OF ENTRY & CARC:FP N.FIRST AID:INGEST:CALL MD IMMEDIATELY (FP N).DISPOSAL METHOD:SETTLE.RMV SLUDGE & DISPOSE IN ANY ACCEPTABLE MANNER, NEUTRALIZE, DILUTE & DISCHARGE REMAINING SOLUTIONS.

Health Hazards Data LD50LC50Mixture: N/K (FP N) **Route Of Entry Inds - Inhalation:** 

Skin: N/P Ingestion: N/P **Carcinogenicity Inds - NTP: IARC:** YES

OSHA: NO **Health Hazards Acute And Chronic:** 

(SEE SIGNS & SYMPTOMS OF OVEREXPOSURE). **Explanation Of Carcinogenicity:** CHROMIC ACID: NTP: CHROMIUM & CERTAIN CHROMIUM COMPOUNDS ARE KNOWN TO BE CARCINOGENIC. IARC: HUMAN CARCINOGEN(GP 1).(FP N).

**Signs And Symptions Of Overexposure:** DIRECT CONTACT CAUSES SEVERE BURNS OF EYES & SKIN THAT MAY OR MAY NOT BE IMMEDIATELY VISIBLE. INHALATION OF MIST MAY CAUSE IRRITATION OF MUCOUS MEMBRANES. **Medical Cond Aggravated By Exposure:** N/K (FP N). 4 First Aid: IN CASE OF CONT OR SUSP OF CONT, PROMPT MED ATTN NEC. EYES: IMMED FLUSH W/COOL H\*20 FOR 15-30 MIN. HOLD LIDS APART WHILE FLUSH TO INSURE CONTACT OF H\*20 W/ALL SURF.GET PROMPT MED ATTN.SKIN: IMMED FLUSH W/L GE AMT COOL H\*20 FOR AT

LEAST 15-30 MINUNTIL ACID RMV, ESP UNDER NAILS.IMMED RMV CONTAM CLTHG&SHOES & WASH BFR REUSE.GET PROMPT MED ATTN.INHAL:RMV FR EXPSR.GET PROMPT MED ATTN.(MFR) (SEE SUPP DATA) **Spill Release Procedures:** CONTAIN SPILLS OR LEAKS W/A NON-COMBUSTIBLE ABSORBENT SUCH AS VERMICULITE, DRY SAND OR EARTH. COLLECT SPILLED MATERIAL. FLUSH AREA W/H\*20 & NEUTRALIZE REMAINING TRACES W/SODA ASH. DISPOSE OF ALL MATER IALS BY APPROPRIATE WASTE DISPOSAL METHOD. Neutralizing Agent:

USE METH ACCEPT TO FED, STATE & LCL AUTH FOR DSPL OF SOLN CONT FLUORIDE, CHROMATES&HEAVY MET.OAKITE DISPOZ AID 1 MAY

AVOID CONT W/EYES, SKIN&CLOTHING. WASH WELL W/SOAP&H\*20 AFT HANDLE. AVOID BRTHING MIST. STORE OUT OF DIRECT SUNLIGHT

BFR OPEN RELIEVE PRESS IN DRUM BY LOOSEN CLOSE SLOW.STORE AWAY FROM COMBUST, ORGANIC OR OXIDIZ MATL.AVOID CONT W/CL RELEASE MATL, GLASS, CERAMIC OR CONCRETE. IF CONT MADE, RINSE SURF PROMPT & THOROUGH W/H\* 20. KEEP CNTNR CLOSED

USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).IF NECESSARY, USE WATER.AVOID SPATTERING OR

STRONG OXIDIZING MATERIAL. CONTACT WITH ORGANIC MATERIALS OR OXIDIZABLE MATERIALS MAY CAUSE VIOLENT REACTIONS.

BE USED TO RDC HEXAVALENT CR TO TRIVALENT.MAY USE OAKITE DISPOZ AID 2 TO PRECIP TRIVA LENT CR,F &HVY MET.ALLOW