

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-259/25986-71-4.html> for suppliers of this product.

Composition/Information on Ingredient	
Cas:	25986-71-4
Code:	T
RTECS:	
Code:	X
Name:	RESORCINOL-PHENOL-FORMALDEHYDE POLYMER % low Wt:
Other REC Limits:	N/K
OSHA PEL:	1000 PPM
Code:	M
OSHA STEL:	
Code:	
ACGIH TLV:	1000 PPM
Code:	M
ACGIHSTEL:	N/P
Code:	2

Control Measures

Respiratory Protection:	NOT NORMALLY REQD UNDER NORMAL USE CNDTNS. IF VENT DOES NOT MAINTAIN INHAL EXPOSURES BELOW PEL (TLV), USE NIOSH APPRVD UNITS AS PER CURRENT 29 CFR 1910.134 & MFR'S "INSTRUCTIONS AND WARNINGS," & NIOSH GUIDE TO INDUSTRIAL RESPIRATORY PROTECTION, PUB #87.116. IF W/IN OSHA PROT FACTOR, NIOSH APPRVD AIR PURIFYING ORGANIC VAPOR CARTRIDGE/CANISTERS ARE ACCEPTABLE.
Ventilation:	PROVIDE SUFFICIENT GENERAL/LOCAL EXHAUST VENT IN PATTERN/VOLUME TO CONTROL INHAL EXPOSURES BELOW CURRENT EXPOSURE LIMITS & AREAS BELOW (TOXICOLOGICAL INFO)
Protective Gloves:	INDUSTRIAL RESISTANT FLEXIBLE-TYPE GLOVES.
Eye Protection:	ANSI APPROVED CHEMICAL WORKERS GOGGLES AND FULL LENGTH FACESHIELD (FP N). 6
Other Protective Equipment:	Equipment ANSI APPROVED EYE WASH AND DELUGE SHOWER (FP N). DEPENDING ON WORKING CONDITIONS, IE, CONTACT POTENTIAL, WEAR RESISTANT PROTECTIVE GARMENTS SUCH AS APRONS, JACKETS, PANTS, COVERALS, BOOTS, ETC.
Work Hygienic Practices:	N/P

Supplemental Safety and Health:	HNDLG/STOR PRECS: COMPLY W/OSHA 1910.106. KEEP IN CLSD, LABELED CNTNR W/IN COOL (WELL SHADED), DRY, VENTILATED AREA. PROTECT FROM PHYSICAL DMG. KEEP CNTNRS CLOSED WHEN MATL IS NOT IN USE. MAINTAIN GOO D HOUSEKEEPING. EXPLD HAZ: EMIT IRRITANT/TOX GAS &/OR FUMES. SENSITIVITY TO MECH IMPACT/STATIC DISCHARGE: ND.
---------------------------------	--

Health Hazards Data

LD50LC50Mixture:	LD50: (ORAL, RAT) 4.6 G/KG
Route Of Entry Inds - Inhalation:	YES
Skin:	YES
Ingestion:	YES
Carcinogenicity Inds - NTP:	NO
IARC:	NO
OSHA:	NO
Health Hazards Acute And Chronic:	EYE: DIRECT CONTACT MAY CAUSE SEVERE EYE IRRITATION AND POSSIBLY BURNS. SKIN: DIRECT CONTACT MAY CAUSE SKIN IRRITATION. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION AND SYSTEMIC EFFECTS. INGESTION: ORAL EXPOSURE ON SWALLOWING MAY CAUSE GASTROINTESTINAL UPSET AND SEVERE IRRITATION OF THE MOUTH AND THROAT. SYSTEMIC EFFECTS ARE POSSIBLE.
Explanation Of Carcinogenicity:	N/P 4
Signs And Sympts Of Overexposure:	SEE HEATLH HAZARDS.
Medical Cond Aggravated By Exposure:	INDIVIDUALS W/PRE-EXISTING DISEASE IN OR HISTORY OF AILMENTS INVOLVING EYES, SKIN, LIVER, MUC MEMBS, THYROID OR CNS MAY BE AT GREATER THAN NORMAL RISK OF DEVELOPING ADVERSE HLTH EFTS WHEN EXPOS TO MATL.
First Aid:	EYE CONTACT: REMOVE CONTACT LENSES. IMMED FLUSH EYES & SURROUNDING AREAS W/LUKEWARM WATER FOR AT LEAST 15 MINUTES. SEEK IMMED MED AID. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WIPE MATERIAL FROM SK IN. IMMED FLUSH AREA (S) W/LARGE AMOUNTSOF WATER FOR 15 MINUTES. IF ANY IRRITATION IS PRESENT SEEK IMMED MED AID. INHALATION: REMOVE FROM EXPOSURE. IF BREATHING HAS SPED OR IS DIFFICULT, ADMINISTER ARTIFICIAL RESPIRATION. IMMED SEEK MED AID. INGESTION: DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH
Spill Release Procedures:	S LEAK IF NO RISK INVOLVED. STAY UPWIND. SMALL SPILLS: ABSORB W/SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL. FLUSH AREA W/WATER. LARGE SPILLS: DIKE FOR LATER DISPOSAL. CONTAIN RUNOFF FROM FIRE CONTROL & DILUTION WATER. IF MINIMUM OF 10,000 LBS OF PROD IS RELEASED INTO ENVIRONMENT A REPORT MUST BE MADE TO NATIONAL RESPONSE CENTER, 1-800-424-8802.
Neutralizing Agent:	N/P
Waste Disposal Methods:	THIS PRODUCT SHOULD BE DISPOSED OF AN AN INDUSTRIAL WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
Handling And Storage Precautions:	AVOID PRLNGD/RPTD BRTHG OF VAPS, MISTS OR FUMES. AVOID PRLNGD/RPTD CONTACT W/SKIN OR EYES. HANDLE & USE I/A/W OSHA 29 CFR 1910.106 & OTHER APPLIC STATE/LOCAL CODE. OBSERVE GOOD PERSONAL HYGIENE PRACTS & RECOM PROCS. KEEP AWAY FROM SOURCES OF HEAT & FLAME. STORE IN AREAS/BLDGS DESIGNED TO (SUPDAT)
Other Precautions:	NOT FOR USE OR STORAGE IN OR AROUND HOME. DO NOT USE UNTIL MFR'S PRECAUTIONS HAVE BEEN READ/UNDERSTOOD. WASH EXPOSED AREAS PROMPTLY & THOROUGHLY AFTER SKIN CNTCT & BEFORE EATING, DRINKING, USING TOBAC CO PRDS OR REST ROOMS. SEE COMMENTS (OTHER INFO SECTION) FOR ADDNL INFO. HIGH TEMPS MAY INCR NEED FO R PROT EQUIP & VENT.

Fire and Explosion Hazard Information

Flash Point Method:	PMCC
Flash Point:	=62.C, 143.6F
Flash Point Text:	
Autoignition Temp:	
Autoignition Temp Text:	ND
Lower Limits:	ND
Upper Limits:	ND
Extinguishing Media:	USE CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER SPRAY/FOG. WATER MAY BE USED TO BLANKET FIRE.
Fire Fighting Procedures:	USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). USE WATER TO COOL FIRE-EXPOSED CONTAINER/STRUCTURE/PROTECT PERSONNEL. TDG FLAMMABILITY CLASSIFICATION: CLASS 3, DIVISION 3.3.
Unusual Fire/Explosion Hazard:	WHEN HEATED (FIRE CNDTNS) VAPS/DECOMP PRODS MAY BE RELEASED FORMING FLAMMABLE/EXPLOSIVE MIXTURES IN AIR. CLOSED CNTNRS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT (FIRE). VAPS ARE HVR/AIR & MAY TRAVEL AL ONG GROUND, PIT OR SEWER LINE TO SOME DISTANT SOURCES OF IGNIT & FLASH BACK. UNDER FIRE CNDTNS, MAY (SUPDAT)

Physical/Chemical Properties

HCC:	
NRC/State LIC No:	
Net Prop WT For Ammo:	
Boiling Point:	=100.C, 212.F
B.P. Text:	
Melt/Freeze Pt:	
M.P/F.P Text:	N/A
Decomp Temp:	
Decomp Text:	N/P
Vapor Pres:	20-50 MM HG
Vapor Density:	>1 (AIR=1)
Volatile Org Content %:	
Spec Gravity:	1.1
VOC Pounds/Gallon:	
PH:	8-9
VOC Grams/Liter:	
Viscosity:	4 POISE @ 23C(73F)
Evaporation Rate & Reference:	
Solubility in Water:	COMPLETE
Appearance and Odor:	RED-BROWN LIQUID WITH PHENOLIC ODOR.
Percent Volatiles by Volume:	50
Corrosion Rate:	N/P

Reactivity Data

Stability Indicator:	YES
Stability Condition To Avoid:	NONE.
Materials To Avoid:	REACTION WITH FORMALDEHYDE IS MILDLY EXOTHERMIC.
Hazardous Decomposition Products:	PRODUCTS OF COMPLETE COMBUSTION ARE WATER, CARBON MONOXIDE AND CARBON DIOXIDE. INCOMPLETE COMBUSTION MAY YIELD IRRITATING AND/OR TOXIC SUBSTANCES.
Hazardous Polymerization Indicator:	NO
Conditions To Avoid Polymerization:	NONE.

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
--------------------	-----