

BUEHLER LTD -- PHENOLIC POWDER 20-3200 RED -- 9330-01-103-3145

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Product Identification  
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Product ID:PHENOLIC POWDER 20-3200 RED

MSDS Date:10/11/1990

FSC:9330

NIIN:01-103-3145

MSDS Number: BSYLY

=== Responsible Party ===

Company Name:BUEHLER LTD

Address:41 WAUKEGAN RD

Box:1

City:LAKE BLUFF

State:IL

ZIP:60044-1687

Country:US

Info Phone Num:708-295-6500 / FAX 708-295-7979

Emergency Phone Num

:708-295-6500

Preparer's Name:TOM DERAM

CAGE:09410

=== Contractor Identification ===

Company Name:BUEHLER LTD.

Address:41 WAUKEGAN RD.

Box:City:LAKE BLUFF

State:IL

ZIP:60044-1687

Country:US

Phone:847-295-8500

CAGE:09410

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Composition/Information on Ingredients  
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Ingred Name:PARTICULATES NOT OTHERWISE REGULATED (NUISANCE DUST)

Fraction by Wt: 5-15% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 8990

Ingred Name:NON HAZARDOUS INGR

EDIENTS

Fraction by Wt: BALANCE

Other REC Limits:NONE RECOMMENDED

Ingred Name:PHENOL (SARA III) (EVOLVED DURING POLYMERIZATION OR  
DECOMPOSITION OF PRODUCT)

CAS:108-95-2

RTECS #:SJ3327000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 5 PPM

ACGIH TLV:S, 5 PPM; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:FORMALDEHYDE (SARA III) (EVOLVED DURING POLYMERIZATION OR  
DECOMPOSITION OF PRODUCT)

CAS:50-00-0

RTECS #:LP8925000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.104

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ACGIH TLV:C 0.3 PPM; A2; 9394

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:AMMONIA (SARA III) (EVOLVED DURING POLYMERIZATION OR  
DECOMPOSITION OF PRODUCT)

CAS:7664-41-7

RTECS #:BO0875000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:50 PPM

ACGIH TLV:25 PPM/35 STEL; 9394

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:TLV 5 MG/M3 RESPIRABLE DUST

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Repor

ts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:VAPOR MAY BE IRRITATING TO SKIN EYES  
OR RESPIRATORY TRACT. VAPORS EVOLVED DURING POLYMERIZATION OR  
DECOMPOSITION MAY CAUSE IRRITATION TO EYES, LUNGS AND SKIN. PHENOL  
IS HIGHLY TOXIC AND MAY CAUSE KIDN EY, LIVER OR HEART DAMAGE.  
FORMALDEHYDEIS IRRITATING TO EYES, LUNGS AND SKIN AND MAY CAUSE  
CANCER. AMMONIA-IRRITANT.

Explanation of Carcinogenicity:AS SHIPPED/STORED PRODUCT IS NOT  
CARCINOGENIC.

VAPORS RELEASED UPON POLYMERIZATION/DECOMPOSITION  
CONTAIN FORMALDEHYDE.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, RESPIRATORY  
TRACT IRRITATION, KIDNEY DAMAGE, LIVER DAMAGE, HEART DAMAGE, MUCOUS  
MEMBRANE IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP  
WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: W  
ASH AFFECTED AREA  
THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL  
ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.  
GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DILUTE BY  
DRINKING LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONFLAMMABLE  
Lower Limits:.03 OZ/FT3  
Upper Limits:NOT GIVEN  
Extinguishing Media:WATER, FOAM, DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND  
FULL FACE-PIECE SELF-CONTAINED BREATHING APPARATUS. AVOID  
INHALATION OF VAPORS.

Unusual Fire/Explosion Hazard:ORGANIC DUST/AIR MIXTURES ARE HIGHLY  
FLAMMABLE (EXPLOSIVE). AVOID DUST ACCUMULATIONS OR DUST LADEN  
ATMOSPHERES AND SOURCES OF IGNITION.

===== Accidental Release Measures =====

Spill Release Procedures:VACUUM OR SWEEP WITH SWEEPING COMPOUND,  
SWADUST OR SAND. AVOID GENERA

TING DUST. VACUUMS WITH EXPLOSION  
PROOF MOTORS ARE RECOMMENDED.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. KEEP  
CONTAINERS CLOSED TO AVOID CONTAMINATION.  
Other Precautions:PREVENT ACCUMULATIONS OF DUST RAISED DURING  
PROCESSING. USE WITH ADEQUATE VENTILATION.

===== Exposure Controls/Personal Protection =====

Respiratory Protection  
:IF VENTILATION DOES NOT MAINTAIN INHALATION  
EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER  
CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR  
SELECTION.  
Ventilation:LOCAL EXHAUST RO REMOVE DUST AND VAPORS EVOLVED DURING USE.  
POINT SOURCES EXHAUST RECOMMENDED. USE EXPLOSION PROOF MOTOR  
Protective Gloves:RECOMMENDED  
Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS  
Other Protective Equipment:EYE WASH FACILITY  
Work Hygienic Practices:WASH WITH SO  
AP AND WATER AFTER HANDLING PRODUCT  
AND BEFORE EATING DRINKING OR SMOKING.  
Supplemental Safety and Health  
MANUFACTURER STATES DOT HAZARD CLASS "NON-HAZARDOUS".

===== Physical/Chemical Properties =====

HCC:N1  
Boiling Pt:B.P. Text:NOT GIVEN  
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN  
Vapor Pres:NOT GIVEN  
Vapor Density:NOT GIVEN  
Spec Gravity:1.32-2.20  
Evaporation Rate & Reference:NOT GIVEN  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:GRANULAR, NODULAR, PELLET O

R BRIQUET WITH SLIGHT  
PHENOL ODOR-RED.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES  
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid: AVOID DUST BUILD UP IN STORAGE AND  
MANUFACTURING AREAS.

Hazardous Decomposition Products: PHENOL, FORMALDEHYDE, AMMONIA, CARBON  
MONOXIDE, CARBON DIOXIDE

===== Disposal Considerations =====

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING  
SURROUNDING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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