

EMERSON CUMING INC. SUB OF W R GRACE AND CO. -- CATALYST 11 -- 5970-00-081-4333
===== Product Identification =====

Product ID:CATALYST 11
MSDS Date:02/13/1992
FSC:5970
NIIN:00-081-4333
Kit Part:Y
MSDS Number: BWSMV
=== Responsible Party ===
Company Name:EMERSON CUMING INC. SUB OF W R GRACE AND CO.
Address:77 DRAGON COURT
City:WOBURN
State:MA
ZIP:01888
Country:US
Info Phone Num:617-828-3300
Emerge
ncy Phone Num:617-935-4850/617-938-8630
CAGE:0B562
=== Contractor Identification ===
Company Name:DEANCO INC
Address:7933 QUEENAIR DR
Box:City:GAITHERSBURG
State:MD
ZIP:20879-4137
Country:US
Phone:301-948-5444
CAGE:9K946
Company Name:EMERSON & CUMING
Address:55 HAYDEN AVE
Box:City:LEXINGTON
State:MA
ZIP:02173
Country:US
Phone:617-861-6600
CAGE:0B562

===== Composition/Information on Ingredients =====

Ingred Name:P-PHENYLENEDIAMINE (SARA III)
CAS:106-50-3
RTECS #:SS8050000
Frac

tion by Wt: >70%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 0.1 MG/M3
ACGIH TLV:S, 0.1 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION- VAPORS CAN BE IRRITATING.
EYES- IRRITATION UPON DIRECT CONTACT. SKIN- IRRITATION UPON DIRECT
CONTACT. INGESTION- HARMFUL IF SWA
LLOWED.
Explanation of Carcinogenicity:SEE SIGNS AND SYMPTOMS!
Effects of Overexposure:INHALATION- IRRITATION OF NOSE AND THROAT. CAN
CAUSE ALLERGIC ASTHMATIC AND INFLAMMATORY ATTACKS. SKIN- PROLONGED
EXPOSURE MAY RESULT IN SKIN SENSITIZATION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION- REMOVE TO FRESH AIR. EYES- IMMEDIATELY FLUSH
WITH WTER FOR 15 MINUTES; GET MEDICAL
ATTENTION. SKIN- REMOVE
CONTAMINATED CLOTHING; WASH AFFECTED AREA WITH SOAP AND WATER.
INGESTION- IF P ERSON IS ALERT, GIVE AMPLE WATER AND INDUCE
VOMITING; GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC
Flash Point:190F,88C
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:TOXIC FUMES MAY BE EVOLVED
UPON EXPOSURE
TO HEAT OR OPEN FLAME.

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

Spill Release Procedures:SMALL: WIPE UP, OR ABSORB WITH VERMICULITE OR
OTHER ABSORBENT MATERIAL. COLLECT WASTE IN SEALED CONTAINERS. USE
OF SOLVENTS FOR CLEAN-UP SHOULD BE LIMITED TO VERY SMALL SPILLS.
SCRUB AREA WITH SOAPY W ATER AND RINSE. LARGE: DIKE AREA. PUMP TO
DRUM.

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

Handling and Storage Precaut

ions:KEEP CONTAINER CLOSED WHEN NOT IN USE.

WEAR PROTECTIVE CLOTHING. AVOID SKIN AND EYE CONTACT. AVOID BREATHING VAPORS.

Other Precautions:VAPORS ARE HEAVIER THAN AIR AND WILL SETTLE AND COLLECT IN LOW AREAS AND PITS, DISPLACING BREATHING AIR.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:PROVIDE ADEQUATE VENTILATION TO PROTECT FROM HAZARDS AND KEEP BELOW MAXIMUM EXPOSURE VALUES.

Protectiv

e Gloves:WEAR GLOVES.

Eye Protection:AS NEEDED TO PROTECT EYES.

Other Protective Equipment:PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

THIS IS A THREE PART KIT. 1 QT. STYCAST, 3 OZ. CATALYST 9, AND 4 OZ. CATALYST 11.

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

HCC:T4

Vapor Pres:AIR

Spec Gravity:1.12

Solubility in Water:COMPLETELY MISCIBLE

Appearance and Odor:BROWN TO DARK BROWN LIQUID; STRONG AMINE ODOR.

Percent Volatiles by Volume:NEG.

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DISPOSE OF ALL SPILLED MATERIAL AND WATER RINSES IN ACCORDANCE WITH CURRENT STATE, LOCAL

AND FEDERAL REGULATIONS.

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