

MATERIAL SAFETY DATA SHEET

Date of Prep: 2/28/92

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SECTION I: PRODUCT INFORMATION

NAME: ROSCOBOND
PRODUCT NO.: 8202, 8203
DESCRIPTION: FORMULATED ACRYLIC COPOLYMER DISPERSION
USE: ADHESIVE
APPEARANCE AND ODOR: WHITISH LIQUID; MILD ODOR

SECTION II: HAZARDOUS INGREDIENTS

A HAZARD EVALUATION OF THIS PRODUCT HAS BEEN PERFORMED. THE COMPONENT LISTED BELOW IS IDENTIFIED AS A HAZARDOUS CHEMICAL UNDER THE CRITERIA OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

COMMON NAME/CHEMICAL NAME	CAS NUMBER	APPROXIMATE %
OCTYLPHENOL, ETHOXYLATED	9036-19-5	1 - 5%

SECTION III: EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:

FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.
IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN.

SKIN CONTACT:

REMOVE CONTAMINATED CLOTHING AND SHOES.
WASH AFFECTED AREA WITH SOAP AND WATER.
IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN.
WASH CONTAMINATED CLOTHING SEPARATELY BEFORE REUSE.

INHALATION:

REMOVE TO FRESH AIR.
IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL ATTENTION.
IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH.

INGESTION:

SEEK MEDICAL ATTENTION.
UNLESS ADVISED OTHERWISE, INDUCE VOMITING BY GIVING EITHER SYRUP OF IPECAC FOLLOWED BY 2 GLASSES OF WATER OR BY STICKING FINGER DOWN THROAT.
DO NOT GIVE ANYTHING BY MOUTH IF THE PERSON IS DROWSY, UNCONSCIOUS, OR HAS NO GAG REFLEX.

NOTE TO PHYSICIAN:

TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION, ADMINISTERING TO THE SYMPTOMS AS THEY OCCUR, AND PROVIDING SUPPORTIVE THERAPY.

SECTION IV: HEALTH EFFECTS SUMMARY

PRIMARY ROUTE(S) OF EXPOSURE:

EYES: YES
SKIN: YES
INHALATION: NO

EYE CONTACT:

CAN CAUSE MILD TO MODERATE IRRITATION.

SKIN CONTACT:

IRRITATION CAN OCCUR FOLLOWING PROLONGED OR REPEATED CONTACT.

INHALATION:

UNDER NORMAL CONDITIONS OF USE, NO ADVERSE EFFECTS ARE EXPECTED.

INGESTION:

CAN CAUSE NAUSEA, VOMITING, AND GASTROINTESTINAL UPSET.

ADDITIONAL EFFECTS:

DEPENDING ON THE ROUTE, FREQUENCY, AND DURATION OF EXPOSURE, TOXICITY MAY EFFECT IN THE FOLLOWING ORGANS AND/OR SYSTEMS:

EYES

AGGRAVATION OF EXISTING CONDITIONS:

INDIVIDUALS WITH MEDICAL CONDITIONS INVOLVING THE FOLLOWING ORGAN(S) AND/OR SYSTEM(S) SHOULD TAKE APPROPRIATE PRECAUTIONS WHEN HANDLING THIS PRODUCT:

SKIN

ALWAYS WEAR APPROPRIATE PROTECTIVE EQUIPMENT, AS RECOMMENDED BY YOUR INDUSTRIAL HYGIENE OR SAFETY PERSONNEL, WHEN EXPOSURE TO THIS PRODUCT CAN OCCUR.

SECTION V: TOXICOLOGIC INFORMATION

THE INFORMATION IN THIS SECTION, THOUGH DETAILED, CAN BE SUBJECT TO MISINTERPRETATION. THEREFORE, IT IS ESSENTIAL THE FOLLOWING INFORMATION BE INTERPRETED BY INDIVIDUALS TRAINED IN ITS EVALUATION.

OCTYLPHENOL, ETHOXYLATED

TOXIC EFFECTS:

SEVERE EYE IRRITANT.
CAN CAUSE PERMANENT INJURY.
IRRITATING TO THE SKIN UPON PROLONGED OR REPEATED CONTACT.

EYE AND/OR SKIN IRRITATION STUDIES:

IN TESTS WITH RABBITS, THIS MATERIAL CAUSED PERMANENT CORNEAL DAMAGE AT CONCENTRATIONS GREATER THAN 10%.

CARCINOGENICITY - LISTED BY:

ACGIH: NO
IARC MONOGRAPHS: NO
NTP ANNUAL REPORT: NO
OSHA: NO

SECTION VI: OCCUPATIONAL CONTROL PROCEDURES

EYE PROTECTION:

WEAR CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
AN EYE WASH FACILITY SHOULD BE READILY AVAILABLE.

SKIN PROTECTION:

WEAR PROTECTIVE CLOTHING AND APPROPRIATE IMPERVIOUS GLOVES BECAUSE A VARIETY OF PROTECTIVE GLOVES EXIST.
ALWAYS CONSULT GLOVE MANUFACTURER TO DETERMINE THE PROPER TYPE FOR SPECIFIC OPERATION.

RESPIRATORY PROTECTION:

RESPIRATORY PROTECTION IS NOT USUALLY REQUIRED.

VENTILATION:

MINIMIZE EXPOSURE BY PROVIDING ADEQUATE VENTILATION.
GENERAL (DILUTION) VENTILATION MAY BE ACCEPTABLE. HOWEVER, LOCAL EXHAUST VENTILATION IS RECOMMENDED WHEN VAPORS, MISTS, OR DUSTS CAN BE RELEASED.

PERSONAL HYGIENE:

WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, OR USING RESTROOM FACILITIES.
CONTAMINATED CLOTHING AND SHOES SHOULD BE THOROUGHLY CLEANED AND DRIED BEFORE REUSE.

AIRBORNE EXPOSURE LIMITS: OCTYLPHENOL, ETHOXYLATED

ACGIH TLV-TWA: NOT ESTABLISHED
OSHA PEL: NOT ESTABLISHED

SECTION VII: FIRE PROTECTION INFORMATION

FLASH POINT:

NOT APPLICABLE
TEST METHOD: SETAFLASH CLOSED CUP

EXPLOSIVE LIMITS:

LEL (%) - NOT ESTABLISHED.
UEL (%) - NOT ESTABLISHED.

AUTO-IGNITION TEMPERATURE:

NOT ESTABLISHED.

EXTINGUISHING MEDIA:

THIS IS A WATER-BASED PRODUCT AND IS NOT EXPECTED TO BURN UNTIL ALL THE WATER HAS BOILED AWAY.
THE RESIDUAL SOLIDS AND/OR PRODUCT CONTAINER MAY SUPPORT COMBUSTION.
USE WATER, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MAY LIBERATE IRRITATING OR TOXIC VAPORS DURING COMBUSTION OR DECOMPOSITION.

SECTION VIII: REACTIVITY DATA

STABLE UNDER NORMAL CONDITIONS OF STORAGE AND USE: YES

MATERIALS TO AVOID:

NONE KNOWN.

HAZARDOUS POLYMERIZATION:

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

THERMAL DECOMPOSITION PRODUCTS:

IF HEATED TO HIGH TEMPERATURES, THIS PRODUCT MAY EMIT THE FOLLOWING COMPOUNDS:
SMOKE, SOOT, & TOXIC FUMES (e.g. CARBON DIOXIDE & CARBON MONOXIDE).

SECTION IX: SPILL AND LEAK PROCEDURES

RESPONSE TO SPILLS:

STOP DISCHARGE, IF IT CAN BE PERFORMED SAFELY, AND CONTAIN MATERIAL.
IF A SUBSTANTIAL QUANTITY IS SPILLED, RECOVER WITH PUMP OR VACUUM TRUCK.
EXPLOSION-PROOF EQUIPMENT SHOULD BE USED IF THIS PRODUCT IS FLAMMABLE OR
COMBUSTIBLE (SEE SECTION 7). OTHERWISE, USE AN ABSORBENT SUCH AS FULLER'S EARTH, CLAY,
OR OTHER APPROPRIATE SYNTHETIC ABSORBENT.
PLACE CONTAMINATED MATERIAL IN A SUITABLE CONTAINER FOR DISPOSAL.
APPROPRIATE SAFETY MEASURES AND PROTECTIVE EQUIPMENT SHOULD BE USED (SEE SECTION 6).
DO NOT FLUSH TO SEWER, STREAM, OR OTHER BODIES OF WATER.

PRECAUTIONS:

NO SPECIAL PRECAUTIONS NECESSARY.

DISPOSAL METHODS:

IF DISCARDED IN ITS ORIGINAL UNUSED FORM, THIS PRODUCT DOES NOT MEET THE DEFINITION OF
A RCRA HAZARDOUS WASTE UNDER 40 CFR 261. NEVERTHELESS, IT SHOULD BE MANAGED
(STORED/TREATED/DISPOSED/ETC.) AT AN AUTHORIZED FACILITY, IN COMPLIANCE WITH ALL
APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.

BE SURE TO CONTACT APPROPRIATE GOVERNMENT ENVIRONMENTAL AGENCIES IF FURTHER
DISPOSAL GUIDANCE IS REQUIRED.

OF THE METHODS OF DISPOSAL CURRENTLY AVAILABLE IT IS RECOMMENDED THAT AN
ALTERNATIVE BE SELECTED ACCORDING TO THE FOLLOWING ORDER OF PREFERENCE, BASED UPON
ENVIRONMENTAL ACCEPTABILITY:

- (1) RECYCLE OR REWORK IF AT ALL FEASIBLE,
- (2) INCINERATE AT AN AUTHORIZED FACILITY, OR
- (3) TREAT AT AN ACCEPTABLE WASTE TREATMENT FACILITY.

SECTION X: SPECIAL PRECAUTIONS

RECOMMENDED STORAGE PRACTICE AND CONDITIONS:

STORE IN COOL, DRY, WELL VENTILATED AREA.
PROTECT FROM FREEZING.

CONTAINER USE PROCEDURES:

NO SPECIAL PRECAUTIONS ARE NEEDED.
FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES.

EMPTY CONTAINER PRECAUTIONS:

THIS CONTAINER CAN BE HAZARDOUS WHEN EMPTY, BECAUSE IT CAN RETAIN PRODUCT RESIDUES.
THEREFORE, DO NOT REUSE CONTAINER FOR FOOD, CLOTHING, OR PRODUCTS FOR HUMAN OR ANIMAL
CONSUMPTION OR WHERE SKIN CONTACT MAY OCCUR.

SECTION XI: PHYSICAL DATA

% NON-VOLATILES (BY WEIGHT): 55

pH: 5.3

VAPOR DENSITY (AIR=1): NOT ESTABLISHED

SOLUBILITY IN WATER: DISPERSIBLE

EVAPORATION RATE: NOT ESTABLISHED

VAPOR PRESSURE (mmHg @ 25 DEGREES C): NOT ESTABLISHED

SPECIFIC GRAVITY (WATER=1): 1.032

APPROXIMATE BOILING POINT: NOT ESTABLISHED

NOTE: *THE PHYSICAL DATA PRESENTED ABOVE ARE TYPICAL VALUES AND SHOULD
NOT BE CONSTRUED AS A SPECIFICATION.*

SECTION XI: LABEL AND TRANSPORTATION INFORMATION

DOT SHIPPING NAME: NOT REGULATED

DOT LABEL: NOT APPLICABLE

DOT IDENTIFICATION NO.: NOT APPLICABLE

SECTION XIII: REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA):

THE CHEMICAL COMPONENTS OF THIS PRODUCT ARE CONTAINED ON THE SECTION 8(B) CHEMICAL SUBSTANCE INVENTORY LIST (40 CFR 710).

SECTION XIV: SARA TITLE III INFORMATION

SECTION 313 - TOXIC CHEMICALS

PURSUANT TO SECTION 313 OF SARA TITLE III, THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL IN EXCESS OF 1 PERCENT OF THE MIXTURE (0.1 PERCENT, IF THE LISTED TOXIC CHEMICAL IS A CARCINOGEN).

SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES

PURSUANT TO SECTION 302 OF SARA TITLE III, THIS PRODUCT DOES NOT CONTAIN AN EXTREMELY HAZARDOUS SUBSTANCE.

SECTION 311/312 - HAZARD CATEGORIES

PURSUANT TO SECTION 311/312 OF SARA TITLE III, THE PHYSICAL AND HEALTH HAZARD CATEGORIES FOR THIS PRODUCT ARE IDENTIFIED BELOW:

FIRE HAZARD: NO
SUDDEN RELEASE OF PRESSURE HAZARD: NO
REACTIVITY HAZARD: NO
IMMEDIATE (ACUTE) HEALTH HAZARD: YES
DELAYED (CHRONIC) HEALTH HAZARD: NO

HAZARDOUS MATERIALS INFORMATION REVIEW REGULATIONS CANADA

THIS MATERIAL SAFETY DATA SHEET PROVIDES INFORMATION THAT COMPLIES WITH THE REQUIREMENTS SET FORTH UNDER THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS).

CLAIM FOR EXEMPTION REGISTRY NO.: NOT APPLICABLE
EXPIRATION DATE: NOT APPLICABLE

USERS RESPONSIBILITY

A BULLETIN SUCH AS THIS CANNOT BE EXPECTED TO COVER ALL POSSIBLE INDIVIDUAL SITUATIONS. AS THE USER HAS THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE, ALL ASPECTS OF AN INDIVIDUAL OPERATION SHOULD BE EXAMINED TO DETERMINE IF, OR WHERE, PRECAUTIONS - IN ADDITION TO THOSE DESCRIBED HEREIN - ARE REQUIRED. ANY HEALTH HAZARD AND SAFETY INFORMATION CONTAINED HEREIN SHOULD BE PASSED ON TO YOUR CUSTOMERS OR EMPLOYEES, AS THE CASE MAY BE.

DISCLAIMER OF LIABILITY

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. ALL CHEMICALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST. FINAL DETERMINATION OF SUITABILITY OF THE CHEMICAL IS THE SOLE RESPONSIBILITY OF THE USER. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

IF YOU HAVE QUESTIONS WITH REGARD TO HEALTH EFFECTS, OR OTHER INFORMATION PRESENTED IN THIS DOCUMENT, CONTACT:

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(914) 937-1300

**COMMONWEALTH OF PENNSYLVANIA ADDENDUM TO THE
MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: ROSCOBOND
EFFECTIVE DATE: 2/29/92

ALL OF THE MATERIALS IN THIS PRODUCT THAT ARE REQUIRED BY THE COMMONWEALTH OF PENNSYLVANIA TO BE IDENTIFIED ARE LISTED BELOW. IN ADDITION, SOME OF THE MATERIALS IDENTIFIED MAY HAVE BEEN PLACED BY THE COMMONWEALTH OF PENNSYLVANIA ON THEIR HAZARDOUS SUBSTANCE LIST.

<u>INGREDIENTS</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
NON-HAZARDOUS TRADE SECRET INGREDIENT(S)	PROPRIETARY	30 - 60
WATER	7732-18-5	30 - 60
OCTYLPHENOL, ETHOXYLATED	9036-19-5	1 - 5

THE SPECIFIC CHEMICAL IDENTITY OF ANY SUBSTANCE NOT IDENTIFIED WITH A CHEMICAL ABSTRACT SERVICE NUMBER IS BEING HELD AS A TRADE SECRET.

**STATE OF CALIFORNIA ADDENDUM TO THE
MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: ROSCOBOND

EFFECTIVE DATE: 2/29/92

THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986, OTHERWISE KNOWN AS PROPOSITION 65, REQUIRES THAT PERSONS POTENTIALLY EXPOSED TO CERTAIN SUBSTANCES BE MADE AWARE OF THE CHRONIC EFFECTS OF THE SUBSTANCES SPECIFIED BY THE STATE OF CALIFORNIA.

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.

INGREDIENTS:

1,4-DIOXANE

ETHYLENE OXIDE