



**DURALPREP AC**

Version 2.

Print Date 10/21/2008

REVISION DATE: 10/01/2008

This is a kit that contains the following components:

- DURALPREP AC PART A
- DURALPREP AC PART B
- DURALPREP AC PART C





**DURALPREP AC PART A**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : DURALPREP AC PART A  
 Product code : TD2353899

COMPANY : Euclid Chemical Company  
 19218 Redwood Road  
 Cleveland, OH 44110

Telephone : 1-800-321-7628  
 Emergency Phone: : U.S. only: 1-800-424-9300  
 International Users Call Collect: 1-703-527-3887

**SECTION 2 - HAZARDS IDENTIFICATION**

**Emergency Overview**

Clear to Amber. Liquid. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : May cause slight irritation to the respiratory system.  
 Eyes : Slightly irritating.  
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.  
 Skin : May cause sensitization.

**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

May cause sensitization by contact. Prolonged or repeated exposure to epoxy resin can cause irritation to skin, eyes, skin sensitization, temporary eye injury. Certain epoxy resins are reported to be mutagenic in some laboratory tests. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs:** Skin, Eye, Ingestion

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	40.0 - 70.0
Bisphenol A Polyglycidyl Ether Resin	25068-38-6	30.0 - 60.0
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	7.0 - 13.0
Octylphenoxy polyethoxy ethanol	9036-19-5	1.0 - 5.0
Benzyl alcohol	100-51-6	1.0 - 5.0



**DURALPREP AC PART A**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.
- Skin contact : Wash with water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : > 200 °F, > 93 °C
- Method : Setaflash Closed Cup
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : This product is not expected to burn under normal conditions of use.
- Hazardous combustion products : Smoke, fumes.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

**SECTION 7 - HANDLING AND STORAGE**

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection equipment**

**DURALPREP AC PART A**

Version 2.

Print Date 10/21/2008

REVISION DATE: 10/01/2008

Respiratory protection	:	Not required under normal conditions of use.
Hand protection	:	Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
Eye protection	:	Wear appropriate eye protection.
Skin and body protection	:	Not required.
Protective measures	:	Use professional judgment in the selection, care, and use. Other equipment not normally required.
Engineering measures	:	General ventilation is sufficient.

**Exposure Limits**

No known components with exposure limits.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

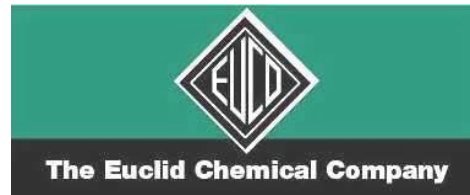
Form	:	Liquid
Color	:	Clear to Amber
Odor	:	Epoxy
pH	:	Not available.
Vapour pressure	:	Not available.
Vapor density	:	Heavier than air
Melting point/range	:	Not available.
Freezing point	:	Not available.
Boiling point/range	:	Not available.
Water solubility	:	Miscible
Specific Gravity	:	0.99
% Volatile Weight	:	49.3 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Acids and bases. Amines. Epoxy curing agents.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Benzyl alcohol, CAS-No.: 100-51-6	
Acute oral toxicity (LD-50 oral)	1,580 mg/kg ( Mouse ) 1,940 mg/kg ( Rabbit ) 3,100 mg/kg ( Rat ) 1,230 - 3,100 mg/kg ( Rat )
Acute inhalation toxicity (LC-50)	200 - 300 mg/l for 8 h ( Rat ) 1,000 mg/l for 8 h ( Rat )



**DURALPREP AC PART A**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Not regulated under RCRA. Dispose of in compliance with state and local regulations. Do not incinerate.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**U.S. Federal Regulations:**

SARA 313 Components : None present or none present in regulated quantities.  
SARA 311/312 Hazards : Based on an evaluation of the components used, this product does not contain hazardous ingredients identified as per 29 CFR 1910.1200

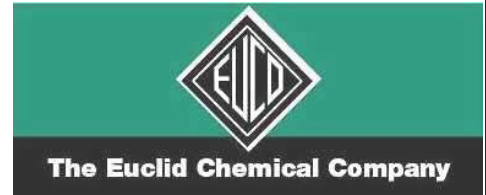
OSHA Hazardous Components :

OSHA Flammability : Not Regulated

Regulatory VOC (less water and exempt solvent) : 27 g/l  
VOC Method 310 : 1 %

**U.S. State Regulations:**

MASS RTK Components	:	Benzyl alcohol	100-51-6
Penn RTK Components	:	Water	7732-18-5
		Bisphenol A Polyglycidyl Ether Resin	25068-38-6
		Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4
		Benzyl alcohol	100-51-6
NJ RTK Components	:	Water	7732-18-5
		Bisphenol A Polyglycidyl Ether Resin	25068-38-6
		Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4



**DURALPREP AC PART A**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

Octylphenoxy polyethoxy ethanol      9036-19-5  
Benzyl alcohol                              100-51-6

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:  
None known.

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	0
Flammability	1
Reactivity	0
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Rich Mikol**

**Legend**

ACGIH - American Conference of Governmental Hygienists  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation  
DSL - Domestic Substance List  
EPA - Environmental Protection Agency  
HMIS - Hazardous Materials Information System  
IARC - International Agency for Research on Cancer  
MSHA - Mine Safety Health Administration  
NDSL - Non-Domestic Substance List  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
RTK - Right To Know  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
V - Volume  
VOC - Volatile Organic Compound  
WHMIS - Workplace Hazardous Materials Information System





**DURALPREP AC PART B**Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : DURALPREP AC PART B  
 Product code : TD2353899

COMPANY : Euclid Chemical Company  
 19218 Redwood Road  
 Cleveland, OH 44110

Telephone : 1-800-321-7628  
 Emergency Phone: : U.S. only: 1-800-424-9300  
 International Users Call Collect: 1-703-527-3887

**SECTION 2 - HAZARDS IDENTIFICATION****Emergency Overview**

Clear to Amber. Liquid. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : May cause slight irritation to the respiratory system.  
 Eyes : Slightly irritating.  
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.  
 Skin : May cause sensitization.

**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

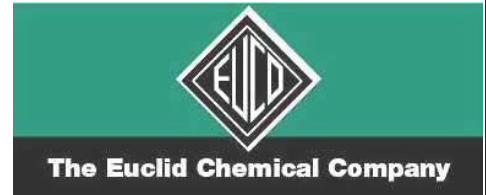
**Chronic Health Effects**

May cause sensitization by contact. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs:** Skin, Eye, Ingestion

**SECTION 3 - PRODUCT COMPOSITION**

<b>Chemical Name</b>	<b>CAS-No.</b>	<b>Weight %</b>
Water	7732-18-5	40.0 - 70.0
Polyamine Polymer	NJ TSRN# 51721300-5925P	30.0 - 60.0
Non-Hazardous Ingredients	NJ TSRN# 51721300-6010P	7.0 - 13.0
Polyamine	NJ TSRN# 51721300-5107P	3.0 - 7.0
Tetraethylene pentamine	112-57-2	1.0 - 5.0



**DURALPREP AC PART B**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.
- Skin contact : Wash with water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : > 200 °F, > 93 °C
- Method : Setaflash Closed Cup
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : This product is not expected to burn under normal conditions of use.
- Hazardous combustion products : Smoke, fumes.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

**SECTION 7 - HANDLING AND STORAGE**

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection equipment**

**DURALPREP AC PART B**

Version 2.

Print Date 10/21/2008

REVISION DATE: 10/01/2008

Respiratory protection	:	Not required under normal conditions of use.
Hand protection	:	Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
Eye protection	:	Wear appropriate eye protection.
Skin and body protection	:	Not required.
Protective measures	:	Use professional judgment in the selection, care, and use. Other equipment not normally required.
Engineering measures	:	General ventilation is sufficient.

**Exposure Limits**

No known components with exposure limits.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Form	:	Liquid
Color	:	Clear to Amber
Odor	:	Epoxy
pH	:	Not available.
Vapour pressure	:	Not available.
Vapor density	:	Heavier than air
Melting point/range	:	Not available.
Freezing point	:	Not available.
Boiling point/range	:	Not available.
Water solubility	:	Miscible
Specific Gravity	:	0.99
% Volatile Weight	:	45.0 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Acids and bases. Amines. Epoxy curing agents.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Tetraethylene pentamine, CAS-No.: 112-57-2

Acute oral toxicity (LD-50 oral)	2,100 mg/kg ( Rat )	2,100 mg/kg ( Rat )	3,990 mg/kg ( Rat )
Acute dermal toxicity (LD-50 dermal)	660 mg/kg ( Rabbit )		



**DURALPREP AC PART B**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Not regulated under RCRA. Dispose of in compliance with state and local regulations. Do not incinerate.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
One or more components are listed on the NDSL.

**U.S. Federal Regulations:**

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :

OSHA Status: Considered : Irritant  
hazardous based on the : Corrosive  
following criteria:

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 0 g/l  
exempt solvent)

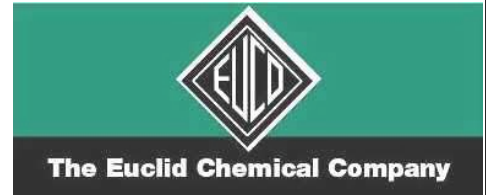
VOC Method 310 : 0 %

**U.S. State Regulations:**

MASS RTK Components : Tetraethylene pentamine 112-57-2

Penn RTK Components : Water 7732-18-5  
Polyamine Polymer NJ TSRN# 51721300-6114P  
Non-Hazardous Ingredients NJ TSRN# 51721300-6010P  
Polyamine NJ TSRN# 51721300-5107P  
Tetraethylene pentamine 112-57-2

NJ RTK Components : Water 7732-18-5



**DURALPREP AC PART B**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

Polyamine Polymer  
Non-Hazardous Ingredients  
Polyamine  
Tetraethylene pentamine

NJ TSRN# 51721300-6114P  
NJ TSRN# 51721300-6010P  
NJ TSRN# 51721300-5107P  
112-57-2

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:  
None known.

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
Flammability	1
Reactivity	0
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Rich Mikol**

**Legend**

ACGIH - American Conference of Governmental Hygienists  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation  
DSL - Domestic Substance List  
EPA - Environmental Protection Agency  
HMIS - Hazardous Materials Information System  
IARC - International Agency for Research on Cancer  
MSHA - Mine Safety Health Administration  
NDSL - Non-Domestic Substance List  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
RTK - Right To Know  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
V - Volume  
VOC - Volatile Organic Compound  
WHMIS - Workplace Hazardous Materials Information System



**DURALPREP AC PART C**Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : DURALPREP AC PART C  
 Product code : TD2353899

COMPANY : Euclid Chemical Company  
 19218 Redwood Road  
 Cleveland, OH 44110

Telephone : 1-800-321-7628  
 Emergency Phone: : U.S. only: 1-800-424-9300  
 International Users Call Collect: 1-703-527-3887

**SECTION 2 - HAZARDS IDENTIFICATION****Emergency Overview**

Gray. Powder. Dust may irritate nose and throat. Dust irritating to the respiratory tract. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : Dust may irritate nose and throat. Dust irritating to the respiratory tract.  
 Eyes : Direct contact may cause severe irritation. May cause mechanical irritation or abrasion, and possible chemical burns. May cause temporary injury.  
 Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.  
 Skin : May cause severe irritation. May cause dryness, cracking, irritation, and chemical burns. May produce cement dermatitis due to primary irritation from alkaline, hygroscopic and abrasive properties.

**Aggravated Medical Conditions**

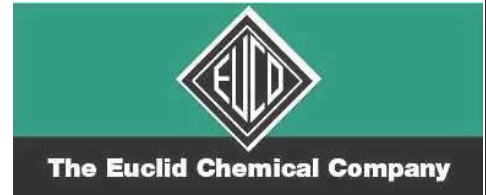
Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica.

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Portland cement	65997-15-1	> 60.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	30.0 - 60.0
Amorphous silica	69012-64-2	3.0 - 7.0
Vinyl Acetate copolymer	NJ TSRN# 51721300-5879P	1.0 - 5.0



**DURALPREP AC PART C**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

Calcium salt	7778-18-9	1.0 - 5.0
Vinyl acetate	108-05-4	- <0.1

**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
- Skin contact : Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : Not available.
- Method : Not applicable.
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : This product is not expected to burn under normal conditions of use. Use that which is appropriate to the surroundings.
- Hazardous combustion products : Not available.
- Protective equipment for firefighters : Not applicable. Product is not expected to burn.
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Use appropriate protective equipment. Avoid contact with material. Dampen material with water to control dusting. Scoop up and transfer to appropriate container for disposal. Flush spill area with water.

**SECTION 7 - HANDLING AND STORAGE**

Prevent inhalation of dust and contact with skin and eyes. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Store in sealed containers in a cool, dry, ventilated warehouse location.





**DURALPREP AC PART C**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection equipment**

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved dust respirator where airborne concentrations are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Skin and body protection : Prevent contact with shoes and clothing.
- Protective measures : Use professional judgment in the selection, care, and use. Wear gloves, head coverings and full body clothing as necessary to prevent skin irritation. Washable or disposable clothing may be used. Do not take unwashed clothing home. Work clothes should be washed separately from other clothing and the washing machine rinsed thoroughly following use. Inform the launderer of the proper procedures. Store work clothes and street clothes separately to prevent contamination.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Portland cement	65997-15-1	ACGIH TWA: OSHA PEL: OSHA PEL:	10 mg/m3 5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: ACGIH TWA:	0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3 0.025 mg/m3	Respirable. Total dust. Total dust. Respirable fraction. Respirable fraction.
Amorphous silica	69012-64-2	OSHA PEL: OSHA PEL: OSHA TWA:	15 mg/m3 5 mg/m3 0.8 mg/m3	Total dust. Respirable fraction.
Calcium salt	7778-18-9	ACGIH TWA: OSHA PEL: OSHA PEL: OSHA TWA: OSHA TWA: ACGIH TWA:	10 mg/m3 5 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3 10 mg/m3	Respirable fraction. Total dust. Total dust. Respirable fraction. Inhalable fraction.



**DURALPREP AC PART C**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

Chemical Name	CAS Number	Regulation	Limit	Form
Vinyl acetate	108-05-4	ACGIH TWA: ACGIH STEL:	10 ppm 15 ppm	

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Form : Powder  
 Color : Gray  
 Odor : None  
 pH : Not available.  
 Vapour pressure : Not available.  
 Vapor density : Not available.  
 Melting point/range : Not available.  
 Freezing point : Not available.  
 Boiling point/range : Not available.  
 Water solubility : Miscible  
 Specific Gravity : 3.5  
 % Volatile Weight : 0.0 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Not Applicable.  
 Stability : Material is stable under normal storage, handling, and use.  
 Hazardous polymerization : Will not occur under normal conditions.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Vinyl acetate, CAS-No.: 108-05-4  
 Acute oral toxicity (LD-50 oral) 2,920 mg/kg ( Rat ) 1,613 mg/kg ( Mouse )  
 Acute inhalation toxicity (LC-50) 3,680 mg/l for 4 h ( Rat ) 5,150 mg/l for 4 h ( Mouse ) 21,800 mg/l for 4 h ( Guinea pig ) 8,800 mg/l for 4 h ( Rabbit ) 1,550 mg/l for 4 h ( Mouse ) 2,500 mg/l for 4 h ( Rabbit ) 6,215 mg/l for 4 h ( Guinea pig ) 2,511 mg/l for 4 h ( Rabbit )



**DURALPREP AC PART C**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Not regulated under RCRA. Dispose of in compliance with state and local regulations. Do not incinerate.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**U.S. Federal Regulations:**

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard  
Chronic Health Hazard

**OSHA Hazardous Components :**

Portland cement	65997-15-1
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Amorphous silica	69012-64-2
Calcium salt	7778-18-9
Vinyl acetate	108-05-4

OSHA Status: Considered : Irritant  
hazardous based on the Carcinogen  
following criteria:

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 0 g/l  
exempt solvent)  
VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:  
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

**U.S. State Regulations:**



**DURALPREP AC PART C**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

MASS RTK Components	:	Portland cement	65997-15-1
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Amorphous silica	69012-64-2
		Calcium salt	7778-18-9
		Vinyl acetate	108-05-4
Penn RTK Components	:	Portland cement	65997-15-1
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Amorphous silica	69012-64-2
		Calcium salt	7778-18-9
NJ RTK Components	:	Portland cement	65997-15-1
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Amorphous silica	69012-64-2
		Vinyl Acetate copolymer	NJ TSRN# 51721300-5879P
		Calcium salt	7778-18-9

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:  
14808-60-7                                      Crystalline Silica (Quartz)/ Silica Sand

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
Flammability	0
Reactivity	0
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Rich Mikol**

**Legend**

- |  |   |
|--|---|
| ACGIH - American Conference of Governmental Hygienists                         | PEL - Permissible Exposure Limit                    |
| CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act | RCRA - Resource Conservation and Recovery Act       |
| DOT - Department of Transportation   | RTK - Right To Know                                 |
| DSL - Domestic Substance List  | SARA - Superfund Amendments and Reauthorization Act |
| EPA - Environmental Protection Agency  | STEL - Short Term Exposure Limit                    |
| HMIS - Hazardous Materials Information System                                  | TLV - Threshold Limit Value                         |
| IARC - International Agency for Research on Cancer                             | TSCA - Toxic Substances Control Act                 |
| MSHA - Mine Safety Health Administration                                       | TWA - Time Weighted Average                         |
| NDSL - Non-Domestic Substance List   | V - Volume  |
| NIOSH - National Institute for Occupational Safety and Health                  | VOC - Volatile Organic Compound                     |
| NTP - National Toxicology Program  | WHMIS - Workplace Hazardous Materials Information   |



**DURALPREP AC PART C**

Version 2.  
REVISION DATE: 10/01/2008

Print Date 10/21/2008

OSHA - Occupational Safety and Health Administration

System