

# DURA SEAL #2489

## Waterborne Two-Part Epoxy Concrete Coating



### Features:

- Dries to a high gloss that is easy to clean
- Provides a tough coating that protects against dust, dirt, water, acid and alkali cleaners, alcohol, Skydrol and brake fluid
- Minimum floor prep required, can be cleaned with soap and water
- Low VOC, mild odor
- Superior resistance to abrasion, marring, scuffing, foot traffic, forklifts and chemicals
- 46% solids



### Description:

DURA SEAL is a water-based, premeasured, two-part pigmented epoxy coating formulated to provide a tough concrete seal that protects against chemical penetration (including brake fluid) and the physical deterioration of existing concrete. Dries in 12-24 hours for traffic, with maximum hardness in 5-7 days (dependent upon temperature - higher temperatures will cause faster dry time). Regular maintenance and cleanup is simple by using any Pro Chem water-based degreaser. Its low odor makes it an ideal product to use in facilities such as hospitals, schools and nursing homes where the presence of solvent odors and/or flammability problems would normally prohibit the application of a sealer. May be applied to new concrete.

### Applications:

- Fleet Operations
- Hospitals
- Bus Garages
- Factories
- Schools
- Correctional Facilities
- Industrial Plants
- Commercial Buildings
- Municipalities

### Product Properties:

Coverage Rate:	6 mil thickness recommended
Colors:	1 <sup>st</sup> Coat-225 sq. ft/gal
Additional Coats:	250 sq. ft/gal
Clear:	1st Coat: 300 sq. ft/gal
Additional Coats:	400 sq. ft/gal
Pot Life:	90 minutes
Open to Light Traffic:	12-24 hrs
Maximum hardness:	5-7 days

**NOTE:** DO NOT apply if floor temperature is below 60°F or over 90°F or if relative humidity is above 80% or if air temperature is below 60°F within 24 hours of application. Not recommended for outside use. DURA SEAL does not contain UV protectant and may turn chalky or cloudy.

### Before:



### After:



**Directions:**

Follow surface preparation instructions to ensure the floor is prepared to accept coating. Mix all of Part B (resin) into Part A (pigmented hardener) using an electric drill mounted with a “Jiffy” type mixer. Mix until a uniform color is obtained. Avoid air entrapment. Let sit 3-5 minutes after stirring to dissipate air bubbles. Pot life after mixing is 90 minutes. **DO NOT USE BEYOND THIS TIME FRAME EVEN IF PRODUCT APPEARS NORMAL.** Apply mixed product in thin, even coats with a short nap 3/8” or no nap paint roller from a clean roller pan. Do not pour directly onto floor. There is no need to work this finish into the surface since the superior penetrating qualities of the product will perform this function. Discard roller cover when through. All remaining application equipment may be cleaned with soap and water before pot life expires. Discard all unused material after 90 minutes. No noticeable change will be noted but film characteristics will be unsatisfactory.

Two coats are recommended (wait 3-6 hours between coats).  
 \*New concrete surfaces should age at least 30 days before being coated.

**Pictograms:**



**Signal Word:**

A. & B. Warning.

**Personal Protective Equipment Required:**

**A&B**



**Product Characteristics:**

Appearance:	A: Various colors –light gray is stock B: Clear, liquid
Odor:	A: Alcohol B: Nearly odorless
Boiling Point:	A: >80°C (>176°F) B: Undetermined
Vapor Pressure:	A: 23 hPa (17 mm Hg) B: Not determined
Water Solubility:	A: & B: Not miscible or difficult to mix
Vapor Density:	A: & B: Heavier than air
Flash Point:	A: 54°C (129°F) B: Not applicable
VOC:	11.8 % <250 g/l when blended with part B
Viscosity:	A: & B: Not determined
Storage:	Keep container tightly sealed. Store in a cool, dry place.
<b>Transport Information:</b>	
Proper Shipping Name:	A: Paint B: Paint
UN Number:	A: & B: UN1263
Class:	A: 3 Flammable liquids B: Not regulated
Packing Group:	A: III B: III

**DOT Placard:**



## How to Apply Dura-Seal

After a concrete floor has been properly cleaned and profiled (it should have a sandpaper roughness) with acid etching or mechanical grinding, the floor is ready to be coated. **DuraSeal** is a 2-part waterborne epoxy that comes in a one gallon or five gallon kit of Part A and Part B. It is non-flammable, VOC compliant and has low odor.

Using a drill-motor with a paint mixer, mix Part A for about 2 minutes or until it has a uniform color. Continue to mix slowly while adding Part B into Part A. Part B is thick, so scrape the inside of can and remove as much as of Part B as possible. Mix Parts A & B at a constant speed for about 5 minutes. Don't mix fast because the high speed will cause excessive air bubbles.

Pour **DuraSeal** into a paint tray. Use a short nap roller, 3/8" to 1/2", and roll the epoxy on the floor. Apply the first coat at an approximate coverage of 200 square feet per gallon. Compared to most other floor coatings, **DuraSeal** is not exceptionally sensitive to humidity. It is sensitive to low temperatures of 60 degrees F and to high temperatures of over 90 degrees F. At a temperature of about 75 degrees F, the pot-life in the container is about 1.5 hours. If the temperature is 90, the pot-life will be shorter than 1.5 hours, it may be reduced to about 1 hour, which should still be enough time to apply the coating before it starts to set in the pail. It is an easy product to apply. Temperature will affect the dry time, estimated at 3 to 6 hours. The hotter the temperature, the faster the coating will dry. **At temperatures close to 90 degrees, don't let DuraSeal dry in direct sunlight, because it will dry too fast and generate air bubbles on the surface.**

Since **DuraSeal** is a waterborne coating, cleanup is easy with soap and water. Spills and equipment are easily cleaned with water. Keep a pail of water handy and put the mixer in it between each time a batch is mixed.

Once the first coat is dry, you are ready to apply the second coat. Test the first coat by lightly rubbing your hand on the coating. If it is tacky, it is not dry. If it is smooth and not tacky, it is dry. Place a clean mat or clean towel in front of the door to wipe your feet before stepping on the new coating. Some people even take their shoes off.

For the second coat, if you are adding an anti-slip additive to **Dura-Seal**, mix Part A and Part B as above and then add the pre-measured anti-slip additive to the A & B mixture and mix for about five minutes. We recommend 40 ounces of anti-slip additive for each five gallon of **DuraSeal**. If you want a more anti-slip resistant floor, add 80 ounces to five gallon. Since the anti-slip additive has a tendency to settle to the bottom of the pail or paint tray, it is important to mix the coating for 1 or 2 minutes before pouring it out. Also when it is in a paint tray, someone should stir it periodically to keep the additive in suspension. If this is not done, the anti-slip additive will not spread evenly across the floor. For a uniform anti-slip surface, keep mixing the coating as you apply it to the floor.

Once you are finished with the second coat, it will dry in 3 to 6 hours depending on the temperature. The area can be opened to light traffic in 12-24 hours. But it will take 5 to 7 days for the coating to reach its maximum hardness. The hotter the temperature the faster the coating will harden. It is recommended to keep any heavy equipment off the coating for 5 days. Other supplies and accessories can be placed on the floor once it is dry. Keep water off the floor until the epoxy is completely dry because if water is on the floor before the epoxy is dry, the water will dissolve the epoxy and turn it a milky color. Once completely dry and hard, **DuraSeal** is water and chemical resistant.



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2489	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	DURA SEAL PART A	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Waterborne Two-Part Epoxy Concrete Coating	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Flam. Liq: Category 3 Eye Irrit: Category 2A	<b>SIGNAL WORD:</b> <b>WARNING</b>	<b>SYMBOL:</b>		
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### HAZARD STATEMENTS:

Flammable liquid and vapor.  
Causes serious eye irritation.

### PRECAUTIONARY STATEMENTS:

#### Prevention:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Wear protective gloves / eye protection / face protection.  
Ground/bond container and receiving equipment.  
Keep container tightly closed.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wash thoroughly after handling.

#### Response:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
IN CASE OF FIRE: Use for extinction: CO<sub>2</sub>, sand, extinguishing powder.

**Storage:** Store in a well-ventilated place. Keep cool.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

### HAZARDS NOT OTHERWISE SPECIFIED:

#### Results of PBT and vPvB assessment:

- PBT: Not applicable.
- vPvB: Not applicable.

## 3. Composition / Information on Ingredients

Chemical Name	CAS Number	% by Weight
2-(propyloxy)ethanol	2807-30-9	5-<10
propan-2-ol	67-63-0	2.5-5

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**EYES:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**SKIN:** Generally the product does not irritate the skin.

### INHALATION:

Supply fresh air; consult doctor in case of complaints.

### INGESTION:

Do not induce vomiting; immediately call for medical help. A person vomiting while lying on their back should be turned onto their side.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

No further relevant information available.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No further relevant information available.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

### UNSUITABLE FIRE EXTINGUISHING MEDIA:

Water with full jet.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No further relevant information available.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained respiratory protective device.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS:

Wear protective equipment. Keep unprotected persons away.

### ENVIRONMENTAL PRECAUTIONS:

Do not allow product to reach sewage system or any watercourse. Inform respective authorities in case of seepage into watercourse or sewage system. Do not allow to enter sewers/ surface or ground water.

### METHODS & MATERIAL FOR CONTAINMENT AND CLEANUP:

Absorb with liquid-binding material (sand, diatomite, universal binder or other inert absorbent). Do not flush with water or aqueous cleansing agents.

### REFERENCE TO OTHER SECTIONS:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. Handling and Storage

### SAFE HANDLING:

No special precautions are necessary if used correctly.

**Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

### SAFE STORAGE & INCOMPATIBILITIES:

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep container tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

### SPECIFIC END USE(S):

No further relevant information available.

## 8. Exposure Controls / Personal Protection

### ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:

No further data; see Section 7.

### CONTROL PARAMETERS:

#### Components with limit values that require monitoring at the workplace:

67-63-0	propan-2-ol
PEL:	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL:	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV:	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm
	Long-term value: 492 mg/m <sup>3</sup> , 200 ppm
	BEI

#### Ingredients with biological limit values:

67-63-0	propan-2-ol
BEI:	40 mg/L
	Medium: urine
	Time: end of shift at end of workweek
	Parameter: Acetone (background, nonspecific)

### ADDITIONAL INFORMATION:

The lists that were valid during the creation were used as basis.

### PERSONAL PROTECTIVE EQUIPMENT:



**EYE/FACE PROTECTION:** Tightly sealed goggles.

**SKIN PROTECTION:** Protective gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**RESPIRATORY PROTECTION:** In case of brief exposure or low concentrations, use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**GENERAL HYGIENE CONSIDERATIONS:** Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before eating, smoking, using the restroom and at the end of the workday. Avoid contact with the eyes and skin.

## 9. Physical & Chemical Properties

<b>Appearance:</b>		<b>Flammability(solid/gas):</b>	Not applicable.
<b>Form:</b>	Liquid.	<b>Auto-Ignition Temperature:</b>	Not self-igniting.
<b>Color:</b>	Clear.	<b>Danger of Explosion:</b>	Not explosive. However, formation of explosive air/vapor mixtures are possible
<b>Odor:</b>	Alcohol-like.	<b>Explosive Limit-Lower (%):</b>	Not determined.
<b>Odor Threshold:</b>	Not determined.	<b>Explosive Limit-Upper (%):</b>	Not determined.
<b>pH:</b>	Not applicable.	<b>Vapor Density:</b>	Heavier than air.
<b>Melting/Freezing Point:</b>	Undetermined.	<b>Vapor Pressure @ 20°C (68°F):</b>	23 hPa (17 mm Hg)
<b>Boiling Point/Range:</b>	> 80°C (> 176°F)	<b>Relative Density:</b>	Not determined.
<b>Solids Content:</b>	21.9%	<b>Solubility (water):</b>	Not miscible or difficult to mix.
<b>Flash Point:</b>	54°C (129°F)	<b>Decomposition Temperature:</b>	Not determined.

<b>Evaporation Rate:</b>	Slower than ether.	<b>Viscosity (kinematic):</b>	Not determined.
<b>Organic Solvents:</b>	11.8%	<b>Viscosity (dynamic):</b>	Not determined.
<b>Partition Coeff (n-octanol/water):</b>	Not determined.	<b>Density @ 20°C (68°F):</b>	1.016 g/cm <sup>3</sup> (8.479 lbs/gal)
<b>Ignition Temperature:</b>	230 °C (446 °F)	<b>Solvent Content-Water:</b>	66.3%
<b>VOC:</b>	11.8% <250 g/l when blended with part B		

## 10. Stability & Reactivity Information

### THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED:

No decomposition if used according to specifications.

### POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known.

### INCOMPATIBLE MATERIALS:

Strong acids and alkalis, bleach, strong oxidizers.

### CONDITIONS TO AVOID:

Do not store or use near sparks, flame, or other ignition sources.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may yield carbon monoxide, carbon dioxide, oxides of nitrogen, and various hydrocarbons.

## 11. Toxicological Information

### PRIMARY IRRITANT EFFECT:

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitization effects known.

### CARCINOGENIC CATEGORIES:

**IARC (International Agency for Research on Cancer):** 67-63-0 propan-2-ol

**NTP (National Toxicology Program):** None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration):** None of the ingredients is listed.

## 12. Ecological Information

### AQUATIC TOXICITY:

No further relevant information available.

### PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

### BIOACCUMULATIVE POTENTIAL:

No further relevant information available.

### MOBILITY IN SOIL:

No further relevant information available.

### GENERAL NOTES:

Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13. Disposal Consideration

### WASTE TREATMENT METHODS:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### UNCLEAN PACKAGES:

Disposal must be made according to official regulations.

## 14. Transportation Information

### UN-NUMBER:

DOT, IMDG, IATA: UN1263

### UN PROPER SHIPPING NAME:

**DOT:** This material has a flash point at or above 38°C and may be reclassified as a combustible liquid. A combustible liquid in non-bulk packaging (≤450 liters; ≤119 gallons) is exempt from the DOT regulation when transported by ground. Paint.

**IMDG, IATA:** PAINT

### TRANSPORT HAZARD CLASS(es):

**DOT: Class:** 3 Flammable liquids.

This material has a flash point at or above 38°C and may be reclassified as a combustible liquid.

A combustible liquid in non-bulk packaging (≤450 liters; ≤119 gallons) is exempt from the DOT regulation when transported by ground.

**Label:** 3, 8

**IMDG, IATA: Class:** 3 Flammable liquids

**Label:** 3 (8)



### PACKAGING GROUP:

DOT, IMDG, IATA: III

### ENVIRONMENTAL HAZARDS:

**Marine pollutant:** No.

### SPECIAL PRECAUTIONS FOR USER:

Warning: Flammable liquids

**Danger code (Kemler):** 38

**EMS Number:** F-E, S-E

### TRANSPORT IN BULK ACCORDING TO ANNEX II of MARPOL73/78 and the IBC Code:

Not applicable.

### UN "MODEL REGULATION":

**DOT Quantity Limitations:** On passenger aircraft/rail: 5 L  
On cargo aircraft only: 60 L

**IMDG Limited quantities (LQ):** 5L  
**Excepted quantities (EQ):**

Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

**UN "MODEL REGULATION:"**  
UN1263, Paint, 3 (8), III

#### 15. Regulatory Information

**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE: SARA:**

**Section 355 (extremely hazardous substances):** None of the ingredients is listed.

**Section 313 (Specific toxic chemical listings):** 67-63-0 propan-2-ol

**TSCA (Toxic Substances Control Act):** All ingredients are listed.

**PROPOSITION 65:**

**Chemicals known to cause cancer:** None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:** None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:** None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:** None of the ingredients is listed.

**CARCINOGENIC CATEGORIES:**

**EPA (Environmental Protection Agency):** None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH):** 67-63-0 propan-2-ol

**NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredients is listed.

**CHEMICAL SAFETY ASSESSMENT:**

A chemical safety assessment has not been carried out.

#### 16. Other Information

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International carriage of Dangerous Goods by Road)

MDG: International Maritime Code for Dangerous Goods

OT: US Department of Transportation

ATA: International Air Transport Association

CGIH: American Conference of Governmental Industrial Hygienists

INECS: European Inventory of Existing Commercial Chemical Substances

LINCS: European List of Notified Chemical Substances

AS: Chemical Abstracts Service (division of the American Chemical Society)

FPA: National Fire Protection Association (USA)

MIS: Hazardous Materials Identification System (USA)

OC: Volatile Organic Compounds (USA, EU)

lam. Liq. 3: Flammable liquids, Hazard Category 3

ye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2489	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	DURA SEAL PART B	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Waterborne Two-Part Epoxy Concrete Coating	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Skin Irrit: Category 2 Eye Irrit: Category 2A Skin Sens: Category 1	<b>SIGNAL WORD:</b> <b>WARNING</b>	<b>SYMBOL:</b>	
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**HAZARD-DETERMINING COMPONENTS OF LABELING:**  
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight 700)

**HAZARD STATEMENTS:**  
Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.

**PRECAUTIONARY STATEMENTS:**  
**Prevention:**  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Wear protective gloves.  
Wear eye protection/face protection.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.

**Response:**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see on this label).  
Wash contaminated clothing before reuse.  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.

**Disposal:**  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**HAZARDS NOT OTHERWISE SPECIFIED:**  
**Results of PBT and vPvB assessment:**  
· **PBT:** Not applicable.  
· **vPvB:** Not applicable.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	NLP Number:	Index Number:
bisphenol-A-(epichlorhydrin) epoxy resin	25068-38-6	500-033-5	603-074-00-8

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**EYES:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**SKIN:** Immediately wash with water and soap and rinse thoroughly.

### INHALATION:

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

### INGESTION:

Call a doctor immediately. Do not induce vomiting; immediately call for medical help. A person vomiting while lying on their back should be turned onto their side.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

No further relevant information available.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No further relevant information available.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### SPECIAL HAZARDS ARISING FROM THE CHEMICAL:

No further relevant information available.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained respiratory protective device.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS:

Not required.

### ENVIRONMENTAL PRECAUTIONS:

Inform respective authorities in case of seepage into watercourse or sewage system. Do not allow to enter sewers/ surface or ground water.

### METHODS & MATERIAL FOR CONTAINMENT & CLEANUP:

Absorb with liquid-binding material (sand, diatomite, universal binder or other inert absorbent).

### REFERENCE TO OTHER SECTIONS:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. Handling and Storage

### SAFE HANDLING:

No special precautions are necessary if used correctly.

**Information about protection against explosions and fires:** No special measures required.

### SAFE STORAGE & INCOMPATIBILITIES:

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep container tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

### SPECIFIC END USE(S):

No further relevant information available.

## 8. Exposure Controls / Personal Protection

### Additional information about design of technical systems:

No further data; see Section 7.

### CONTROL PARAMETERS:

**Components with limit values that require monitoring at the workplace:** Not required.

**Additional information:** The lists that were valid during the creation were used as basis.

### PERSONAL PROTECTIVE EQUIPMENT:



**EYE/FACE PROTECTION:** Tightly sealed goggles

**SKIN PROTECTION:** Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**RESPIRATORY PROTECTION:** In case of brief exposure or low concentrations, use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**GENERAL HYGIENE CONSIDERATIONS:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before eating, smoking, using the restroom and at the end of the workday. Avoid contact with the eyes and skin.

## 9. Physical & Chemical Properties

<b>Appearance:</b>		<b>Flammability(solid/gas):</b>	Not applicable.
<b>Form:</b>	Liquid.	<b>Danger of Explosion:</b>	Does not present explosion hazard.
<b>Color:</b>	Clear.	<b>Explosive Limit-Lower (%):</b>	Not determined.
<b>Odor:</b>	Nearly odorless.	<b>Explosive Limit-Upper (%):</b>	Not determined.
<b>Odor Threshold:</b>	Not determined.	<b>Vapor Density:</b>	Heavier than air.
<b>pH:</b>	Not applicable.	<b>Vapor Pressure:</b>	Not determined.
<b>Melting Point/Range:</b>	Undetermined.	<b>Relative Density:</b>	Not determined.
<b>Boiling Point/Range:</b>	Undetermined.	<b>Solubility (water):</b>	Not miscible or difficult to mix.
<b>Solids Content:</b>	100.0%	<b>Auto-Ignition Temperature:</b>	Not determined.
<b>Flash Point:</b>	Not applicable.	<b>Decomposition Temperature:</b>	Not determined.
<b>Evaporation Rate:</b>	Slower than ether.	<b>Viscosity (kinematic):</b>	Not determined.
<b>Organic Solvents:</b>	0.0%	<b>Viscosity (dynamic):</b>	Not determined.
<b>Density @20°C(68°F):</b>	1.165 g/cm <sup>3</sup> (9.722 lbs/gal)	<b>Partition Coeff (n-octanol/water):</b>	Not determined.

## 10. Stability & Reactivity Information

### THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED:

No decomposition if used according to specifications.

### POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known.

### INCOMPATIBLE MATERIALS:

Strong acids and alkalis, bleach, strong oxidizers.

### CONDITIONS TO AVOID:

Do not store or use near sparks, flame, or other ignition sources.

### DECOMPOSITION PRODUCTS:

Burning may yield carbon monoxide, carbon dioxide, oxides of nitrogen, and various hydrocarbons.

## 11. Toxicological Information

### PRIMARY IRRITANT EFFECT:

- on the skin:** Irritant to skin and mucous membranes.
- on the eye:** Irritating effect.
- Sensitization:** Sensitization possible through skin contact.

### CARCINOGENIC CATEGORIES:

- IARC (International Agency for Research on Cancer):** Substance is not listed.
- NTP (National Toxicology Program):** Substance is not listed.
- OSHA-Ca (Occupational Safety & Health Administration):** Substance is not listed.

## 12. Ecological Information

### AQUATIC TOXICITY:

No further relevant information available.

### PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

### BIOACCUMULATIVE POTENTIAL:

No further relevant information available.

### MOBILITY IN SOIL:

No further relevant information available.

### ECOTOXICAL EFFECTS:

**Remark:** Toxic for fish.

### GENERAL NOTES:

Water hazard class 2 (Assessment by list): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

## 13. Disposal Consideration

### WASTE TREATMENT METHODS:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### UNCLEAN PACKAGES:

Disposal must be made according to official regulations.

## 14. Transportation Information

### UN-Number:

- DOT, IMDG, IATA:** UN1263

### UN PROPER SHIPPING NAME:

- DOT:** Paint.
- IMDG, IATA:** PAINT

### TRANSPORT HAZARD CLASS(es):

**DOT, IMDG, IATA:** Not regulated.

### PACKING GROUP:

**DOT:** UN1263  
**IMDG, IATA:** Not regulated.

### ENVIRONMENTAL HAZARDS:

**Marine pollutant:** No.

### SPECIAL PRECAUTIONS FOR USER:

**Warning:** Miscellaneous dangerous substances and articles.  
**Danger code (Kemler):** 90  
**EMS Number:** F-E, S-E

### TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 & IBC CODE:

Not applicable.

### UN "MODEL REGULATION:"

UN1263, Paint, ENVIRONMENTALLY HAZARDOUS, 9, III

## 15. Regulatory Information

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE/SARA:

**Section 355 (extremely hazardous substances):** Substance is not listed.  
**Section 313 (Specific toxic chemical listings):** Substance is not listed.

### TSCA (Toxic Substances Control Act):

Substance is listed.

### PROPOSITION 65:

**Chemicals known to cause cancer:** Substance is not listed.  
**Chemicals known to cause reproductive toxicity for females:** Substance is not listed.  
**Chemicals known to cause reproductive toxicity for males:** Substance is not listed.  
**Chemicals known to cause developmental toxicity:** Substance is not listed.

### CARCINOGENIC CATEGORIES:

**EPA (Environmental Protection Agency):** Substance is not listed.  
**TLV (Threshold Limit Value established by ACGIH):** Substance is not listed.  
**NIOSH-Ca (National Institute for Occupational Safety and Health):** Substance is not listed.

### CHEMICAL SAFETY ASSESSMENT:

A chemical safety assessment has not been carried out.

## 16. Other Information

### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.

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**LIGHT GRAY- COMPONENT A**

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**5 GALLON KIT**

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**WARNING!**

- COMBUSTIBLE LIQUID AND VAPOR •
- VAPOR HARMFUL •

**Contains:** Isopropanol, 2-Propoxyethanol, Acetic Acid, & Aliphatic Polyamine. May affect the brain or nervous system causing dizziness, headache, or nausea. Causes eye, skin, nose and throat irritation. Can be absorbed through skin. May cause damage to red blood cells.

**Notice:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Harmful or fatal if swallowed.

Keep away from heat, sparks and flame. Vapors may cause flash fire. Close container after each use. Do not smoke. Extinguish all flames and pilot lights and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **Use only with adequate ventilation.** Do not breathe spray mist, dust or vapors. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow directions for respirator use. Do not get in eyes, on skin or clothing. Wash after handling.

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Reactivity	0
Personal Protection	B

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#### WARNING!

•EYE & SKIN IRRITANT•

•MAY CAUSE ALLERGIC SKIN REACTION•

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