

DURA ECO-SEAL

## SAFETY DATA SHEETS

### SECTION 1: COMPANY AND PRODUCT INFORMATION

**MANUFACTURER'S NAME/ ADDRESS:****PROLINE CONCRETE TOOLS**

2664 VISTA PACIFIC  
OCEANSIDE, CA 92056  
(760) 758-7240

**TRADE NAME:** DURA ECO-SEAL

**COLOR:** CLEAR

**MAIN USE:** CONCRETE SEALER

**Emergency Phone:** CHEMTREC 800-424-9300

### SECTION 2: HAZARDS IDENTIFICATION

**GLOBALLY HARMONIZED SYSTEM (GHS)  
CLASSIFICATION:**

**PHYSICAL HAZARDS:** WATERBORN, NO PHYSICAL HAZARDS

**HEALTH HAZARDS ACUTE TOXICITY:** CATEGORY 4

**SKIN CORROSION/ IRRITATION:** CATEGORY 4

**EYE IRRITATION:** CATEGORY 2B

**INHALATION HAZARD:** CATEGORY 4

**ASPIRATION HAZARD:** CATEGORY 2

**GHS LABEL ELEMENTS****HAZARD PICTOGRAMS**

**SIGNAL WORD:** DANGER!

**HAZARD STATEMENTS:**

H302, HARMFUL IF SWALLOWED.

H312, HARMFUL IN CONTACT WITH SKIN.

H320, CAUSES EYE IRRITATION.

H332, HARMFUL IF INHALED.

H305, MAY BE HARMFUL IF SWALLOWED AND  
ENTERS AIRWAYS.

**PRECAUTION STATEMENTS:****PREVENTION:**

P261: AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPOURS/ SPRAY.

**RESPONSE:**

P305: IF IN EYES:

P351: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES

P338: REMOVE CONTACT LENSES. IF PRESENT AND EASY TO DO. CONTINUE  
RINSING

**STORAGE:**

P233 KEEP CONTAINER TIGHTLY CLOSED.

P235 KEEP COOL.

P405 STORE LOCKED UP.

**DISPOSAL:**

P501: DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

**OTHER HAZARDS:**

NO DATA AVAILABLE

**EMERGENCY OVERVIEW:**

DANGER!

HARMFUL IF SWALLOWED

HARMFUL IN CONTACT WITH SKIN

CAUSES EYE IRRITATION

HARMFUL IF INHALED

MAY BE HARMFUL IF SWALLOWED AND ENTERS AIRWAYS.

**SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS**

CAS-No.	Chemical Name	Concentration (%)
25265-77-4	2,2,4-Trimethyl-1, 3-pentanediol monoisobutyrate	< 5%
57-55-6	1,2-dihydroxypropane	< 5%

**SECTION 4: FIRST AID MEASURES**

**EYE:** FLUSH WITH CLEAN, LUKEWARM WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS.

OBTAIN MEDICAL ATTENTION.

**SKIN:** REMOVE CONTAMINATED CLOTHING. WASH AFFECTED SKIN AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.

**INHALATION:** REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION/ ADMINISTER OXYGEN IF NECESSARY. CALL PHYSICIAN IMMEDIATELY. IF PERSON IS UNCONSCIOUS, TRANSPORT AFFECTED PERSON IN RECLINED POSITION. NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING BY MOUTH.

**INGESTION:** KEEP PERSON WARM AND QUIET. GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING, ASPIRATION RISK OF MATERIAL INTO THE LUNGS. DRINK SEVERAL GLASSES OF WATER TO DILUTE THE MATERIAL IN THE STOMACH. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## SECTION 5: FIRE FIGHTING MEASURES

**FLAMMABILITY SUMMARY (OSHA):** NOT A FLAMMABLE LIQUID

**FLASH POINT:** WATERBORNE, >240F (116C) SETAFLASH  
**CONDITIONS OF FLAMMABILITY:** NA

**FLAMMABILITY LIMITS:** LEL: NA UEL: NA

**UNUSUAL FIRE/ EXPLOSION HAZARDS:** CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO FIRE DUE TO PRESSURE BUILDUP.

**EXTINGUISHING MEDIA:** CARBON DIOXIDE. DRY CHEMICAL, FOAM AND/ OR WATER FOG

**FIRE FIGHTING INSTRUCTIONS:** FIRE FIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND TURN OUT GEAR. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILDUP AND AUTO IGNITION/ EXPLOSION WHEN EXPOSED. GUARD AGAINST TOXIC GAS'S RELEASED BY FIRE. IF SAFE, REMOVE CONTAINER FROM FIRE ZONE.

**PRODUCTS OF COMBUSTION:** DRIED PRODUCT CAN BE MADE TO BURN, RELEASING CARBON DIOXIDE, CARBON MONOXIDE.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

AVOID CONTACT WITH EYES. EVACUATE THE AREA OF ALL UNNECESSARY PERSONNEL. VENTILATE AREA. EQUIP EMPLOYEES WITH APPROPRIATE PROTECTIVE EQUIPMENT. DIKE AROUND SPILLED MATERIAL. COVER SPILL WITH INERT/ ABSORBENT MATERIAL AND SHOVEL WITH NON-SPARKING TOOLS INTO CONTAINER. REMOVE CONTAINERS TO SAFE AREA AND SEAL. USE SAND OR ABSORBENT TO COLLECT MATERIAL AND TO PREVENT FLOW INTO STORM WATER OR GROUND.

**WASTE DISPOSAL METHODS:** WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENT REGULATORY CONTROLS.

## SECTION 7: HANDLING AND STORAGE

**HANDLING:** KEEP CONTAINER CLOSED WHEN NOT IN USE. CONTAINERS ARE HEAVY. LIFT PROPERLY TO AVOID BACK PAIN.

**DRUMS:** PROTECT AGAINST PHYSICAL DAMAGE.

**BULK:** STORAGE SHOULD BE IN STANDARD LIDDED STORAGE TANKS.

**OTHER PRECAUTIONS:** CLEAN UP SPILLS QUICKLY TO PREVENT SLIPPING ON THE WET SURFACE.

**SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

IF EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS, USE THE APPROPRIATE NIOSH APPROVED RESPIRATOR SUCH AS AN AIR PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE AND DUST/ MIST FILTER. CONSULT THE RESPIRATOR MANUFACTURER'S LITERATURE TO ENSURE THAT THE RESPIRATOR WILL PROVIDE ADEQUATE PROTECTION, READ AND FOLLOW ALL RESPIRATORS MANUFACTURER'S INSTRUCTIONS.

**VENTILATION:**

LOCAL EXHAUST MUST BE SUFFICIENT TO KEEP AIRBORNE VAPOR CONCENTRATIONS BELOW TLV LIMIT.

**PROTECTIVE GLOVES:** CHEMICAL RESISTANT GLOVES MAY BE USED IF DESIRED.

**EYE PROTECTION:** CHEMICAL WORKER'S GOGGLES.

**OTHER PROTECTIVE EQUIPMENT:** WATERPROOF APRONS. EYE BATH AND SAFETY SHOWER. TO PREVENT REPEATED OR PROLONGED SKIN CONTACT WEAR IMPERVIOUS CLOTHING AND BOOTS. USE HAND CREAM AND BARRIER CREAM AROUND CHEMICALS.

**WORK HYGIENE PRACTICES:** WASH HANDS AND CLOTHING AFTER EXPOSURE.

**SUPPLEMENTAL SAFETY AND HEALTH:** FIRST AID PROCEDURES: VOMIT CAN CAUSE CHEMICAL PNEUMONIA WHICH CAN BE FATAL.

**VENTILATION:** FILTERS TO REDUCE ENVIRONMENTAL CONTAMINATION.

**EFFECTS OF OVEREXPOSURE:** DERMATITIS FROM OILS IN SKIN BEING REMOVED WITH LONG TERM CONTACT.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** ANY RESPIRATORY OR SKIN CONDITION.

<b>EXPOSURE CONTROLS/ PERSONAL PROTECTION</b>			
<b>HAZARDOUS INGREDIENT</b>	<b>W/W %</b>	<b>CAS #</b>	<b>OSHA PEL</b>
<b>2,2,4-TRIMETHYL-1, 3-PENTANEDIOL MONOISOBUTRYATE</b>	<b>&gt; 5%</b>	<b>25265-77-4</b>	<b>NOT ESTABLISHED</b>
<b>1, 2-DIHYDROXYPROPANE</b>	<b>&gt; 5%</b>	<b>57-55-6</b>	<b>NOT ESTABLISHED</b>

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** LIQUID

**COLOR:** CLEAR

**ODOR:** SLIGHT HYDROCARBON

**ODOR THRESHOLD:** HIGH

**PH:** 8-10

**MELTING POINT/ FREEZING POINT:** NOT DETERMINED

**INITIAL BOILING POINT AND BOILING RANGE:** 240F (119C) SETAFLASH

**EVAPORATION RATE:** SLOWER THAN ETHER

**FLAMMABILITY OF SOLID OR GAS:** NOT DETERMINED

**UPPER FLAMMABILITY LIMIT:** NOT DETERMINED

**LOWER FLAMMABILITY LIMIT:** NOT DETERMINED  
**VAPOR PRESSURE:** NOT DETERMINED  
**VAPOR DENSITY:** NOT DETERMINED  
**SOLUBILITY IN WATER:** DISPERSIBLE  
**SPECIFIC GRAVITY RELATIVE TO WATER:** 1.03 APPROXIMATELY  
**PARTITION COEFFICIENT: N-OCTANOL/ WATER:** NOT DETERMINED  
**AUTO-IGNITION TEMPERATURE:** NOT DETERMINED  
**DECOMPOSITION TEMPERATURE:** NOT DETERMINED  
**VISCOSITY:** NOT DETERMINED  
**NON VOLATILE:** < 70% W/W  
**VOC:** 77 G/L MINUS WATER AND EXEMPT SOLVENTS

**SECTION 10: STABILITY AND REACTIVITY**

**STABILITY AND REACTIVITY SUMMARY:** STABLE UNDER NORMAL CONDITIONS.  
**SENSITIVITY TO MECHANICAL SHOCK:** NONE  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.  
**CONDITIONS TO AVOID:** DO NOT HEAT CLOSED CONTAINERS.  
**CHEMICAL INCOMPATIBILITY:** STRONG OXIDIZING AGENTS.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO2.

**SECTION 11: TOXICOLOGICAL INFORMATION**

HAZARDOUS INGREDIENT	W/ W %	CAS NO.	LD50
2, 2, 4-TRIMETHYL-1, 3-PENTANEDIOL MONOISOBUTRYATE	< 5	25265-77-4	ORAL, RAT > 3,200 MG/KG
1, 2-DIHYDROXYPROPANE	< 5	57-55-6	NOT FOUND

**MUTAGENS/ TERATOGENS/ CARCINOGENS:** NOT PRESENT OVER 0.01% IN FORMULA.

**SECTION 12: ECOLOGICAL INFORMATION**

HAZARDOUS INGREDIENT	W/ W %	CAS NO.	LD50
2, 2, 4-TRIMETHYL-1, 3-PENTANEDIOL MONOISOBUTRYATE	< 5	25265-77-4	FLATHEAD MINNOW 96HR: 33MG/L
1, 2-DIHYDROXYPROPANE	< 5	57-55-6	BIODEGRADABLE

**MUTAGENS/ TERATOGENS/ CARCINOGENS:** NOT PRESENT OVER 0.01% IN FORMULA.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS:**

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION 14: TRANSPORT INFORMATION**

MULTI-MODAL SHIPPING DESCRIPTIONS ARE PROVIDED FOR INFORMATION PURPOSES AND DO NOT CONSIDER CONTAINER SIZES. THE PRESENCE OF A SHIPPING DESCRIPTION FOR A PARTICULAR MODE OF TRANSPORT (OCEAN, AIR, ECT.), DOES NOT INDICATE THAT THE PRODUCT IS PACKAGED SUITABLY FOR THAT MODE OF TRANSPORT. ALL PACKAGING MUST BE REVIEWED FOR SUITABILITY PRIOR TO SHIPMENT, AND COMPLIANCE WITH THE APPLICABLE REGULATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON OFFERING THE PRODUCT FOR TRANSPORT.

**US GROUND (DOT):**

**PROPER SHIPPING NAME:** PAINT, NOT REGULATED.

**IMO:** NOT REGULATED FOR TRANSPORTATION. NOT A MARINE POLLUTANT.

**IATA:** NOT REGULATED FOR TRANSPORTATION.

**SECTION 15: REGULATORY INFORMATION**

**UNITED STATES:**

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY OF EXISTING CHEMICAL SUBSTANCES.

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III:** NO INGREDIENTS PRESENT.

**SECTION 311/312 HAZARD CATEGORIES (40 CFR 370.2):**

**IMMEDIATE/ ACUTE HEALTH HAZARDS:** YES

**DELAYED/ CHRONIC HEALTH HAZARD:** YES

**FIRE HAZARD:** NO

**PRESSURE HAZARD:** NO

**REACTIVITY HAZARD:** NO

**FEDERAL AND STATE REGULATIONS:**

**CALIFORNIA PROP 65:** THIS PRODUCT CONTAINS TRACE AMOUNTS OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

**HMIS (U.S.A.):**

**HEALTH HAZARD:** 1

**FIRE HAZARD:** 0

**REACTIVITY:** 0

**PERSONAL PROTECTION:** A (SEE SECTION 8 FOR PERSONAL PROTECTIVE EQUIPMENT (PPE)).

**SPECIFIC HAZARD:** KEEP OUT OF REACH OF CHILDREN.

<b>SECTION 16: OTHER INFORMATION</b>
--------------------------------------

THIS INFORMATION SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT OR OTHERWISE BE EXPOSED TO THIS PRODUCT. WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/ USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE.

NO WARRANTIES OF ANY KIND NEITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, INFORMATION, DATA AND DESIGNS FURNISHED BY PROLINE CONCRETE TOOLS, INC HEREUNDER ARE GIVEN GRATIS AND PROLINE CONCRETE TOOLS, INC ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, INFORMATION, DATA AND DESIGNS GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR OWN RISK. WE BELIEVE THIS INFORMATION TO BE RELIABLY AND UP TO DATE AS OF ITS PUBLICATION DATE, BUT MAKE NO WARRANTY THAT IT IS. IF THIS SDS IS MORE THAN ONE YEAR OLD YOU SHOULD CONTACT PROLINE CONCRETE TOOLS, INC MAKE SURE THE INFORMATION IS STILL CURRENT.

**REVISION DATE:** AUGUST 7, 2015