



## SECTION 1 - PRODUCT & COMPANY INFORMATION

**PRODUCT NAME:** EverGlow TL300P, a blend on at least two (2) of the following photoluminescent pigments. EverGlow TL300 Epoxy Coating Kit is comprised of individual containers of TL300P (a blended pigment) and TL300E (a 2-part epoxy coating).  
 NEMOTO *LumiNova*<sup>®</sup>: G-300C, G-300M, G-300F, G-300FF, G-300L, G-300L160, G-300L700, G300L1000, G-300L250N, GLL-300M, GLL-300FF, GLL-300FFS, GLL-300FFS-3  
 HONEYWELL *Lumilux*<sup>®</sup>: SN-F25, SN-F2, SN-F2Y, SN-F5  
**COMMON NAME:** STRONTIUM ALUMINATE (SrAl), STRONTIUM OXIDE ALUMINATE (SrOAl)  
**US D.O.T. / UN NAME:** UN3077 (SEE SECTION 14)  
**REVISION DATE:** 11 March 2018  
**RECOMMENDED USES:** LONG AFTERGLOW GLOW-IN-THE-DARK PIGMENT FOR USE IN INKS, PAINTS, COATINGS, PLASTICS, ETC.

**COMPANY:**  
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## SECTION 2 - HAZARD IDENTIFICATION

### HAZARD OVERVIEW:

**GHS CLASSIFICATION:**  
 HAZARDOUS TO THE AQUATIC ENVIRONMENT – LONG-TERM HAZARD, CATEGORY 2

**GHS LABEL ELEMENTS:**  
 SIGNAL WORD: NO SIGNAL FOR CATEGORY 2  
 LABEL CODES / PICTOGRAMS: GHS09

**HAZARD STATEMENTS:**  
 H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

### PRECAUTIONARY STATEMENTS:

**PREVENTION:** P273 AVOID RELEASE TO THE ENVIRONMENT.  
**RESPONSE:** P391 COLLECT SPILLAGE.  
**STORAGE:** NO GHS STATEMENTS FOR STORAGE.  
**DISPOSAL:** P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH ALL LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS



**OTHER HAZARDS/U.S. - HAZARDS NOT OTHERWISE CLASSIFIED / UN GHS – OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:**  
 TREAT AS NUISANCE DUST – AVOID INHALATION OF DUSTS

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

<b>CHEMICAL COMPOSITION:</b>	<b>COMPONENTS:</b>	<b>CAS NO.</b>	<b>%</b>
	STRONTIUM ALUMINATE	US TSCA ACCESSION #152751	99-100
<b>SYNONYMS:</b>	GENERIC: STRONTIUM-DYSPROSIUM-EUROPIUM-ALUMINATE		
<b>CHEMICAL FAMILY:</b>	LUMINESCENT MIXED METAL OXIDES		

## SECTION 4 – FIRST AID MEASURES

**FIRST AID / RESPONSE:**      **FIRST AID RESPONDERS SHOULD WEAR PERSONAL PROTECTIVE EQUIPMENT**

**SKIN:**                            IF ON SKIN: PROMPTLY WASH OFF WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS.

**EYES:**                            IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS.

**INHALATION:**                IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. CALL A POISON CENTER/DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

**INGESTION:**                 IF SWALLOWED: RINSE MOUTH WITH WATER. CALL A POISON CENTER/DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS

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

AS AN INORGANIC POWDER, INHALATION OR CONTACT WITH DUST MAY CAUSE SLIGHT MECHANICAL IRRITATION TO RESPIRATORY TRACT, SKIN, OR EYES.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:**

CALL A POISON CENTER/DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

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**SECTION 5 – FIRE FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** **WATER:** (X-AS SPRAY/FOG) **FOAM:** (X) **CO<sub>2</sub>:** (X)  
**DRY CHEMICAL:** (X)  
STRONTIUM ALUMINATE IS NOT COMBUSTIBLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

**SPECIFIC HAZARDS IN CASE OF FIRE:** AVOID RELEASE TO THE ENVIRONMENT. DO NOT ALLOW CONTAMINATED RUNOFF TO ENTER SEWER SYSTEM OR BODIES OF WATER.

**SPECIAL PROTECTIVE EQUIPMENT & PRECAUTION FOR FIRE FIGHTERS:** FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR IN FIGHTING FIRES INVOLVING CHEMICALS

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** WEAR FULL PROTECTIVE EQUIPMENT (SEE SECTION 8). KEEP UNPROTECTED PERSONNEL OUT OF THE AREA.

**ENVIRONMENTAL PRECAUTIONS:** AVOID RELEASE TO THE ENVIRONMENT. DO NOT RELEASE TO DRAINS, SEWERS, OR BODIES OF WATER.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP:** VACUUM OR SWEEP INTO A PROPERLY LABELED CONTAINER AND SEAL. AVOID GENERATING DUST.

**SECTION 7 – HANDLING & STORAGE**

**PRECAUTIONS FOR SAFE HANDLING:** WHEN HANDLING OR POURING, WEAR FULL PROTECTIVE EQUIPMENT (SEE SECTION 8). USE WITH ADEQUATE VENTILATION. AVOID SCATTERING INTO THE AIR. AVOID RELEASE TO THE ENVIRONMENT. EMPLOY GOOD HOUSEKEEPING TECHNIQUES TO CONTROL DUST BUILD-UP ON EQUIPMENT AND WORK AREA.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:** STORE CLOSED IN A COOL, DRY AREA AWAY FROM OXIDIZING AGENTS.

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

**CONTROL PARAMETERS:**

**EXPOSURE LIMITS:**

**U.S. OSHA PEL:** NONE ESTABLISHED FOR PRODUCT – TREAT AS  
NUISANCE PARTICULATE: 15 g/m<sup>3</sup> TWA  
TOTAL DUST: 5 mg/m<sup>3</sup> TWA RESPIRABLE

**U.S. ACGIH TLV:** NONE ESTABLISHED FOR PRODUCT

**APPROPRIATE ENGINEERING  
CONTROLS:**

USE LOCAL / MECHANICAL EXHAUST TO MAINTAIN AIR  
CONCENTRATIONS BELOW OCCUPATION EXPOSURE  
STANDARDS (SEE ABOVE)

**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION:** USE NIOSH APPROVED RESPIRATOR SUITABLE TO MEET  
PERMISSIBLE EXPOSURE LIMIT. SEE U.S. OSHA  
RESPIRATORY STANDARD (20 CFR 1910.134)

**HAND PROTECTION:** USE CHEMICAL RESISTANT GLOVES (RUBBER, PVC)

**EYE PROTECTION:** SAFETY GOGGLES OR GLASSES WITH SIDE SHIELDS OR  
FULL FACE SHIELD; HAVE ACCESS TO AN EYEWASH  
FOUNTAIN

**OTHER PROTECTIVE  
EQUIPMENT:**

LABCOAT; COVERALLS TO PROTECT SKIN

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**SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	LIGHT YELLOWISH-GREEN POWDER
<b>ODOR:</b>	NO ODOR
<b>ODOR THRESHOLD:</b>	N/A
<b>pH (IN WATER):</b>	10-11.5
<b>MELTING POINT / FREEZING POINT (°C):</b>	>1000 (>1832°F)
<b>BOILING POINT (°C):</b>	N/A
<b>FLASH POINT (°F):</b>	N/A
<b>EVAPORATION RATE:</b>	N/A
<b>FLAMMABILITY:</b>	NOT FLAMMABLE
<b>FLAMMABLE LIMITS:</b>	LEL:& UEL: (N/A)
<b>VAPOR PRESSURE (mm Hg):</b>	N/A
<b>VAPOR DENSIT (AIR=1):</b>	N/A
<b>DENSITY (20°C) / SPECIFIC GRAVITY</b>	~3.6
<b>SOLUBILITY IN WATER (@20°C):</b>	0.3 g/L (300 mg/L)
<b>PARTITION COEFFICIENT (n-OCTANOL/WATER):</b>	log POW <0 (20°C)
<b>AUTO IGNITION TEMP (°F):</b>	N/A
<b>DECOMPOSITION TEMP:</b>	N/A

**SECTION 10 – STABILITY & REACTIVITY**

**CHEMICAL STABILITY:** STABLE WHEN STORED SEALED IN ORIGINAL PACKAGING UNDER RECOMMENDED STORAGE CONDITIONS.

**POSSIBILITY OF HAZARDOUS REACTIONS:** CAN REACT WITH ACIDS OR STRONG OXIDIZING AGENTS

**CONDITIONS TO AVOID:** CONTACT WITH INCOMPATIBLES; GENERATION OF DUST; OPEN STORAGE/MOISTURE.

**INCOMPATIBLE MATERIALS:** ACIDS, STRONG OXIDIZING AGENTS; NOT FOR USE IN WATER-BASED APPLICATIONS

**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE KNOWN WHEN USED AND STORED AS RECOMMENDED; WILL PARTIALLY DISSOLVE IN WATER CREATING AN ALKLINE SOLUTION

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## SECTION 11 – TOXICOLOGICAL INFORMATION

## POTENTIAL HEALTH EFFECTS:

<b>ROUTES OF EXPOSURE:</b>	SKIN, EYES, INHALATION, INGESTION
<b>SKIN, EYES, INHALATION:</b>	AS AN INORGANIC POWDER, INHALATION OR CONTACT WITH DUST MAY CAUSE SLIGHT MECHANICAL IRRITATION TO RESPIRATORY TRACT, SKIN, OR EYES.
<b>INGESTION:</b>	THIS ROUTE OF EXPOSURE IS NOT LIKELY. NO KNOWN EFFECTS.
<b>CHRONIC:</b>	NO KNOWN EFFECTS
<b>ACUTE TOXICITY:</b>	ORAL (RAT) LD <sub>50</sub> : > 2000 mg/kg DERMAL (RAT) LD <sub>50</sub> > 2000 mg/kg
<b>SKIN CORROSION / IRRITATION:</b>	RABBIT: NON-IRRITATING
<b>SERIOUS EYE DAMAGE / IRRITATION:</b>	RABBIT: SLIGHT-IRRITATION BELOW GHS CLASSIFICATION
<b>RESPIRATORY OR SKIN SENSITIZATION:</b>	GUINEA PIG: NOT SENSITIZING
<b>GERM CELL MUTAGENITY:</b>	AMES TEST: NEGATIVE
<b>CARCINOGENITY:</b>	U.S. LISTED CARCINOGEN: NONE (X) OSHA ( ) NTP ( ) IARC ( ) OTHER ( )
<b>REPRODUCTIVE TOXICITY:</b>	CHROMOSOMAL ABBERATION TEST: NEGATIVE NOAEL=1000 mg/kg/day (RAT)
<b>SPECIFIC TARGET ORGAN TOXICITY:</b>	NONE KNOWN
<b>ASPIRATION HAZARD:</b>	NO DATA AVAILABLE
<b>INTERACTIVE EFFECTS:</b>	NONE KNOWN

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## SECTION 12 – ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b>	AVOID RELEASE TO THE ENVIRONMENT
<b>TOXICITY – AQUATIC:</b>	LC <sub>50</sub> (96h): 6.8 mg/L ONCORHYNCHUS MYKISS [OECD TG 203]
<b>TOXICITY TO DAPHNIA:</b>	EC <sub>50</sub> (48h); 13 mg/L DAPHNIA MAGNA [OECD TG 202 PART 1]
<b>TOXICITY – TERRESTRIAL:</b>	NO TEST DATA AVAILABLE
<b>PERSISTANCE &amp; DEGRADABILITY:</b>	INORGANIC SUBSTANCE – NOT EXPECTED TO BE READILY BIODEGRADABLE
<b>BIOACCUMULATIVE POTENTIAL:</b>	NO TEST DATA AVAILABLE
<b>MOBILITY IN SOIL:</b>	NO TEST DATA AVAILABLE
<b>OTHER ADVERSE EFFECTS:</b>	NO DATA AVAILABLE

## SECTION 13 – DISPOSAL CONSIDERATIONS

## DISPOSAL METHODS:

**[P501]:** DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL, INTERNATIONAL REGULATIONS. DO NOT RELEASE TO THE ENVIRONMENT, DISPOSE OF IN SEALED CONTAINERS, USING A LICENSED CHEMICAL WASTE HAULER.

**FOLLOW ALL LOCAL, STATE, FEDERAL, AND INTERNATIONAL INFORMATION AND REGULATIONS**

## SECTION 14 – TRANSPORT INFORMATION

**BY ROAD OR RAIL – U.S. D.O.T. REGULATED:** YES ( ) NO (\*SEE BELOW) RQ (N/A)  
 IF REGULATED, UN PROPER SHIPPING NAME: HAZARD CLASS: ( )  
 UN IDENTIFICATION NO.: ( ) PACKING GROUP: ( ) LABEL REQUIRED: ( )  
 U.S. MARINE POLLUTANT: YES ( ) NO (X) SEVERE U.S. MARINE POLLUTANT: YES ( ) NO (X)  
 EMERGENCY RESPONSE GUIDE NO.: ( )  
 INLAND B/L:

\* THIS PRODUCT IS REGULATED INTERNATIONALLY AS UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (STRONTIUM ALUMINATE), CLASS 9, PGIII, MARINE POLLUTANT LABEL DUE TO ITS AQUATIC TOXICITY UNDER THE UN/GHS CLASSIFICATION SYSTEM. IN THE U.S., THIS MATERIAL IS NOT A U.S. D.O.T. LISTED MARINE POLLUTANT UNDER 49CFR172.101 APPENDIX B. THE MARINE POLLUTANT LABEL IS PERMITTED TO REMAIN ON THE PACKAGE PER 49CFR172.401(c)(5) AND PARAGRAPH 4 OF APPENDIX B TO 49CFR172.101 WHEN TRANSPORTED TO OUR NORTH AMERICAN CUSTOMERS. NOTE –SEE THE U.S. D.O.T. MARINE POLLUTANT EXCEPTION FOR 5KG HEAT SEALED FOR 5 kg (SOLIDS) OR 5 L (LIQUIDS) PACKAGES EFFECTIVE JANUARY 1, 2015 IN THE FEDERAL REGISTER VOL. 80, NO. 5, 1/8/2015, PAGES 1076-1169. STRONTIUM ALUMINATE IS PACKAGED IN 1.4 kg STEEL CANS & AS SUCH MEET THIS EXCEPTION FOR AIR AND GROUND SHIPMENTS WITHIN THE U.S.

**BY SEA – IMDG REGULATED: YES (X\*) NO ( )**

STOWAGE CATEGORY: "A"; LIMITED QTY = 5 kg; EXPECTED QTY = 30 g INNER; 1 kg OUTER

**BY AIR – IATA REGULATED: YES (X-INTERNATIONALLY\*) NO ( )**

PKG INSTRUCTION NO.: LIMITED QTY = 30 g Y956; CARGO / PASS = 400 kg 956

EXPECTED QTY = 30 g INNER; 1 kg OUTER

**SPECIAL PRECAUTIONS: READ SDS BEFORE HANDLING**



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**SECTION 15 – REGULATORY INFORMATION**

**U.S. TSCA:** WE CERTIFY THAT ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER THE REGULATIONS OF THE TOXIC SUBSTANCES CONTROL ACT.

**U.S. SARA TITLE III, SECT. 313:** LISTED ( ) NOT LISTED (X)

**U.S. RCRA HAZARDOUS WASTE:** NO (X) YES ( ) RCRA#: ( )

**U.S. CERCLA:** NO (X) YES ( ) RQ (N/A)

**U.S. DEPARTMENT OF HOMELAND SECURITY APPENDIX “A”:** LISTED ( ) NOT LISTED (X)

**U.S. CALIFORNIA PROPOSITION 65 LISTED:** YES ( ) NO (X)

**HMIS:** HEALTH (0) FLAMMABILITY (0) REACTIVITY (0)

**SECTION 16 – OTHER INFORMATION**

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Abbreviations / Acronyms: **N/A** = Not Applicable; **LEL** = Lower Explosion Limit; **UEL** = Upper Explosion Limit; **PEL** = Permissible Exposure Limit; **TLV** = Threshold Limit Value; **TWA** = Time Weighted Average Over 8 Hour Workday; **LD(50)** or **LC(50)** = Lethal Dose or Lethal Concentration That Kills 50% of Dosed Group; **g** = Gram; **kg** = Kilogram; **PPM** = Parts per Million; **NOAEL** = No Observed Adverse Effect Level

IN ACCORDANCE WITH GOOD PRACTICES OF PERSONAL HYGIENE, HANDLE WITH DUE CARE AND AVOID ANY UNNECESSARY CONTACT WITH THIS PRODUCT. USE PERSONAL PROTECTION WHEN HANDLING (SEE SECTION 8).

THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATION. THE INFORMATION IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATA, THE HAZARD CONNECTED WITH USE OF THE MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, IS MADE. EVERGLOW NA, INC. AND ITS SUPPLIERS ASSUME NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.