MATERIAL SAFETY DATA SHEET

WHMIS HAZARD: D2B, D2A, E

SECTION 1 – PRODUCT IDENTIFICATION AND USE

Product Identifier..... **SP-2888® R.G. SPRAY HARDENER BLUE**

Product Code..... **850-283**

Product Use..... Curing Agent for SP-2888® R.G. Spray Grade Base White.

Manufacturer's Name..... **SPECIALTY POLYMER COATINGS, INC.**

Street Address ..... #101 – 20529 – 62nd Avenue City, Province / State: Langley, BC

Postal / Zip Code..... V3A 8R4 Country: CANADA

Supplier's Name..... **SPECIALTY POLYMER COATINGS USA, INC.**

Street Address ..... 22503 FM 521 City, Province / State: Angleton, TX

Postal / Zip Code..... 77515 Country: USA

24 HR. TELEPHONE NUMBER..... CHEMTREC: 1-800-424-9300

INFORMATION NUMBER..... 1-281-595-3530

SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Ingredients	**%**	**C.A.S. #**	**Lethal Dose 50% Species & route**	**Lethal Conc. 50% Species & route**	**TLV TWA-ACGIH**
Benzyl Alcohol	5-10	100-51-6	1200 mg/kg Rat Oral 5 ml/kg Guinea Pig Dermal	N/AV	N/AV
Aminoethylpiperazine	15-40	140-31-8	2.10 g/kg Rat Oral 875 mg/kg Rabbit Dermal	N/AV	N/AV
4-Nonylphenol Branched	7-13	84852-15-3	1.62 g/kg Rat Oral 2.14 g/kg Rabbit Dermal	N/AV	N/AV
Dimethylbenzyl Amine	3-7	103-83-3	265 mg/kg Rat Oral	N/AV	N/AV
Bisphenol A	10-30	80-05-7	2.23 g/kg Rat Oral 3.00 g/kg Rabbit Dermal	N/AV	N/AV
Diethylenetriamine	5-10	111-40-0	1080 mg/kg Rat Oral 1090 mg/kg Rabbit Dermal	N/AV	N/AV
Modified Polyamine Reaction Product	10-30	Proprietary	N/AV	N/AV	N/AV
Para Tertiarybuytlphenol	5-10	98-54-4	N/AV	N/AV	N/AV

CEPA: All of the ingredients of this product are listed on the DSL.
TSCA: All the ingredients of this product are on the TSCA Inventory.

SECTION 3 – PHYSICAL DATA

Physical State	Liquid.
Odour and Appearance.....	Ammonia, blue liquid.
Odour Threshold (ppm).....	N/AV
Vapour Pressure (mm/Hg)	N/AV
Vapour Density (air=1)	N/AV
Evaporation Rate (butyl acetate=1).....	N/AV
Boiling Point	N/AV
Freezing Point	N/AV
pH.....	Alkaline.
Specific Gravity (water=1).....	1.04 @ 25°C (77°F)
Coefficient of water/oil distribution.....	N/AV
Solubility in water (20°C / 68°F)	Moderate.

SECTION 4 – FIRE AND EXPLOSION

Flammability	Not flammable as per WHMIS.
Flammability: If Yes, under which conditions?	Excessive heat, sparks and open flame. Surrounding fire.
Means of extinction.....	Dry chemical, foam, carbon dioxide, water spray.
Special Procedures	Firefighters should wear the usual protective gear. Use Self-contained Breathing Apparatus.
Flash Point and Method	124°C (255°F) Cleveland Open Cup.
Upper Flammability Limit (% by volume).....	N/AV
Lower Flammability Limit (% by volume)	N/AV
Autoignition Temperature.....	N/AV
Hazardous Combustion Products	Oxides of Carbon (CO, CO2), Oxides of Nitrogen, Aldehydes, acids.

Explosion Data:

Sensitivity to impact.....	Protect against physical damage.
Sensitivity to Static Discharge	Take precautionary measures against static discharge.

SECTION 5 – REACTIVITY DATA

Chemical Stability..... Yes. Product is stable in non-emergency conditions.

Incompatibility with other substances.... Yes. Oxidizing agents (perchlorates, nitrates), acids.

Reactivity and under what conditions.... Contact with incompatible substances.

Hazardous Decomposition Products..... Refer to Section 4 – Hazardous Combustion Products.

SECTION 6 – TOXICOLOGICAL PROPERTIES

Route of Entry..... Skin, eyes, inhalation, ingestion.

Effects of Acute Exposure:

Skin Contact..... Severe irritation. May cause burns. May cause allergic skin reaction.

Skin Absorption ..... N/AV

Eye Contact ..... May cause burns. Causes severe irritation.

Inhalation..... Inhalation of mist or spray may cause irritation of the respiratory tract.

Ingestion..... Harmful if swallowed. May cause irritation of the gastrointestinal tract.

Effects of Chronic Exposure to Product..... May aggravate existing eye, skin, and lung conditions.

Exposure Limits ..... Refer to Section 2 – Hazardous Ingredients.

Irritancy of Product ..... Refer to Effects of Acute Exposure.

Carcinogenicity ..... None Known.

Teratogenicity..... None Known.

Reproductive Toxicity..... None Known.

Mutagenicity..... None Known.

Synergistic Products..... N/AV

SECTION 7 – PREVENTATIVE MEASURES

Personal Protective Equipment:

Gloves ..... Chemical resistant gloves with a long cuff that will overlap the clothing sleeves should be worn when handling this product. The glove / clothing overlaps should be sealed by tape. Check with the glove manufacturer to determine the proper glove type.

Respirator .... Wear an appropriate, properly fitted vapour respirator (NIOSH / OSHA approved) during application where vapour / mist are likely to be encountered, e.g. confined spaces and during winter construction or when the substrate is preheated. For outdoor application and areas with adequate ventilation, the use of a respirator is normally not required. Follow the respirator manufacturer's recommendations. Wear a dust respirator for any activity such as sanding or grinding of cured coating.

Eyes ..... Wear splash proof chemical safety goggles and / or face shield.

Footwear..... Wear impervious boots.

Clothing..... Long-sleeved clothing is to be worn over regular clothing to cover all exposed areas of arms, legs or torso during mixing and application of the coating. Breathable clothing, such as cotton or disposable coveralls, is recommended.

Other..... Emergency eyewash and a shower should be in close proximity, where possible. A barrier cream may be used, in conjunction with the stated protective measures, as an additional safeguard against skin contact.

Engineering Controls ... Mechanical ventilation, both dilution and exhaust may be utilized to keep exposure below the TLV. Extra ventilation should be provided in enclosed spaces.

Leak and Spill Procedure ..... Remove all sources of ignition. Wear appropriate safety equipment as listed above. Soak up spills with inert absorbent materials and place in closed containers. Prevent run-off from reaching storm or sewer drains.

Waste Disposal..... Dispose of according to Federal, Provincial, and Municipal regulations in Canada and Federal, State, and County regulations in the United States of America.

Handling Procedures and Equipment..... All equipment must be grounded. Keep container closed when not in use. Wear appropriate personal protective equipment. Maintain good personal hygiene and wash thoroughly after using, particularly before eating or going on breaks.

Storage Requirements ..... Store in a cool, dry, well-ventilated area away from incompatible materials and all sources of ignition. Keep in a tightly sealed container.

SECTION 8 – SHIPPING INFORMATION

PIN:	UN3267
Proper Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Aminoethylpiperazine)
Class:	8
Pkg.Grp.:	III
Mode:	Ground (TDG) or Air (IATA) or Ocean (IMDG)

SECTION 9 – FIRST AID MEASURES

Specific Measures:

Inhalation.....	Remove to fresh air. If breathing has stopped, a trained person should perform artificial respiration. Get Medical attention.
Ingestion.....	Get Medical attention **IMMEDIATELY**.
Eye Contact	Flush with water for at least 15 minutes, hold eyelids apart to ensure complete irrigation of all eye and lid tissue, and get Medical attention.
Skin Contact.....	Wash with water and mild soap for at least 15 minutes. Remove contaminated clothing and wash before re-use. Get Medical attention.

CAUTION---NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 10 – PREPARATION DATE OF MSDS

Prepared by.....	Technical Department of Specialty Polymer Coatings, Inc. with information provided by suppliers of raw materials used in the manufacture of SP-2888® R.G. Spray Hardener Blue.
Phone Number.....	604-514-9711
Preparation Date....	December 13, 2007
Revision Date.....	June 21, 2010

NOTE: While Specialty Polymer Coatings, Inc. believes that the data contained herein are accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which Specialty Polymer Coatings, Inc. assumes legal responsibility. The data is offered solely for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, Provincial / State, and Municipal / County laws and regulations.

ABBREVIATIONS USED IN PREPARING THIS MSDS

% - Percent # - Number < - Less Than > - Greater Than @ - At

ACGIH	American Conference of Governmental Industrial Hygienists
C	Centigrade
C.A.S. #	Chemical Abstract Number
CEIL	Ceiling Limit
CEPA	Canadian Environmental Protection Agency
CFR	Code of Federal Regulations
DOT	Department of Transportation
DSL	Domestic Substance List
Derm-LD50	Dermal Lethal Dose - 50% Death
F	Fahrenheit
FP	Flash Point
g/kg	Grams/kilogram
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
IATA	International Air Transportation Authority
IMDG	International Marine Dangerous Good
Inhal-LC50	Inhalation Lethal Concentration - 50% Death
Kg	Kilogram
Lb/gal	Pounds per Gallon
LEL	Lower Explosion Limit
Lethal Conc	Lethal Concentration (50% Death)
Lethal Dose	Lethal Dosage (50% Death)
ml/kg	Millilitres/kilogram
mg/L	Milligrams per Litre
mg/M3	Milligrams per Meter Cubed
mm/Hg	Millimeters of Mercury
N/AP	Not Applicable
N/AV	Not Available
N/D	Not Determined
NFPA HAZARD RATING	4 - Extreme, 3 - High, 2 - Moderate, 1 - Slight, 0 - None, X - Blank
NIOSH	National Institute of Occupational Safety & Health
NTP	National Toxicology Program
Oral-LD50	Oral Lethal Dose-50% Death
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PIN	Product Identification Number
Pkg.Grp	Packing Group
PMCC	Pensky-Martens Closed Cup
Ppm	Parts per million
SARA	Superfund Amendments & Reauthorization Act (1986)
SETA	Setaflash Closed Tester
STEL	Short Term Exposure Limit
TDG	Transportation of Dangerous Goods Act and Pursuant Regulations
TLV	Threshold Limit Value
TWA	Time Weighted Average
TSCA	Toxic Substances Control Act
WHMIS	Workplace Hazardous Material Information System