SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	:	RADNOR® COLD GALV COMPOUND – BRIGHT FINISH
PRODUCT USE	:	PROTECTIVE COATING
PART NUMBER(S)	:	64000131
ADDRESS	:	RADNOR WELDING PRODUCTS 259 N. RADNOR-CHESTER ROAD SUITE 100 RADNOR, PA 19087-5283
EMERGENCY TELEPHONE	:	866-734-3438
PREPARATION DATE	:	SEPTEMBER 01, 2012
OSHA REGULATORY STATUS	:	NOT REGULATED
WHMIS CLASSIFICATION	:	B5, D2A, A

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	OSHA PEL		ACGIH TLV		LD50 SPECIES/ROUTE	LC50 SPECIES/ROUTE	%WT
ZINC DUST	7440-66-6	5	mg/m^3	5	mg/m^3	N/Av	N/Av	10 - 30%
LIQUEFIED PETROLEUM GAS	68476-85-7	1000	ppm	1000	ppm	N/Av	57.42% v/v (mice)	10 - 30%
METHYL ETHYL KETONE	78-93-3	200	ppm	200	ppm	>5,000 mg/kg rabbit/dermal	11,700 rat / 4 hrs	10 - 30%
STODDARD SOLVENT	8052-41-3	500	ppm	100	ppm	>5 g/k rat/oral	> 5,500 rat / 4 hrs	10 - 30%
URETHANE POLYMER	TRADE SECRET	N/E		N/E		N/Av	N/Av	10 - 30%
ALUMINUM	7429-90-5	5	mg/m^3	5	mg/m^3	N/Av	N/Av	1 - 5%
XYLENE	1330-20-7	100	ppm	100	ppm	12,180 mg/kg rabbit/dermal	6700 ppm / 4 h (rat)	0.1 - 1%

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. STORE BELOW 120°F (49°C), OUT OF SUNLIGHT AND AWAY FROM HEAT SOURCES. DO NOT PUNCTURE OR INCINERATE. AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMFUL. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

EYE: Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.
SKIN: Frequent or prolonged contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
INGESTION: Due to being an aerosol, product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat and gastrointestinal tract, resulting in vomiting and/or cramps.
INHALATION: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, or confusion.
EFFECTS OF ACUTE EXPOSURE: N/Av
EFFECTS OF CHRONIC EXPOSURE: N/ Av
OTHER IMPORTANT HAZARDS: N/Av
SUGGESTED HMIS RATING**:** HEALTH | 1 | FLAMMABILITY | 4 | REACTIVITY | 0 | PERSONAL PROTECTION | B |

SECTION 4. FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.
INGESTION: Unlikely due to being in aerosol form. Should actual ingestion occur, do not induce vomiting! Drink a glass of water or milk to dilute. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
EYE CONTACT: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definitive treatment
SKIN CONTACT: Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues or if large skin area is affected.

SECTION 5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY: Heat, sparks, flame, red hot metal.
MEANS OF EXTINCTION: For warehouse and storage conditions, use NFPA Class B extinguishers (CO_2, dry chemical or universal aqueous film forming foam).
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire exposed aerosol containers for containers can rupture violently from heat developed pressure.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents extremely flammable and under pressure. In addition, when liquid or vapor comes into contact with flames or red hot metal, products of combustion will be created. Firemen should wear self-contained breathing apparatus.
FLASH POINT / DETERMINATION: Propellant <0°F (<-18°C)
UPPER FLAMMABLE LIMIT: 9.5%
LOWER FLAMMABLE LIMIT: 1.8%
AUTO-IGNITION TEMPERATURE: N/Av
HAZARDOUS COMBUSTION PRODUCTS: N/Av
EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT: N/Av
EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE: N/Av

SECTION 6. ACCIDENTAL RELEASE MEASURES

LEAK / SPILL RESPONSE: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill. Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
SPECIAL INSTRUCTIONS: Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal considerations.

SECTION 7. HANDLING AND STORAGE

HANDLING PROCEDURES / EQUIPMENT: Avoid prolonged or repeated skin contact. Avoid breathing vapors.
STORAGE REQUIREMENTS: Store in area below 120°F (49°C). Do not incinerate (burn) containers. Assure can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For store of pallet quantities, compliance with ANSI/NFPA 30B is recommended.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.
SKIN PROTECTION: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing such as Sol-Vex® gloves or other clothing impervious to the ingredient listed in Section 2.
ENGINEERING CONTROLS: General ventilation (typically 10 air changes for hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system, may be needed to control air contamination below that of the lowest TLV/PEL rated ingredient from Section 2.
EXPOSURE GUIDELINE LEVELS: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing use the lowest rated ingredient in Section 2.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	:	Liquid / Gas
ODOR AND APPEARANCE	:	Silver coating with a paint-like odor
ODOR THRESHOLD	:	N/Av
SPECIFIC GRAVITY (H_2O=1)	:	Below 1.0
VAPOUR PRESSURE (mm HG)	:	N/Av
VAPOUR DENSITY (AIR=1)	:	Above 1.0
EVAPORATION RATE (BA=1)	:	N/Av
BOILING POINT (°F)	:	Propellant <0°F (<-18°C)
FREEZING POINT (°F)	:	N/Av
pH	:	N/Av
COEFFICIENT OF WATER/OIL DISTRIBUTION	:	N/Av
DENSITY	:	N/Av
SOLUBILITY IN WATER	:	Negligible
% VOLATILE BY VOLUME	:	Negligible
VOC'S	:	N/Av

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Heat, sparks, flame, red hot metal.
MATERIALS TO AVOID (INCOMPATIBILITIES): Strong oxidizing materials.
CONDITIONS OF REACTIVITY: N/Av
HAZARDOUS DECOMPOSITION BYPRODUCTS: Oxides of carbon.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11.TOXICOLOGICAL INFORMATION

LD50: N/Av
LC50: N/Av
ROUTES OF ENTRY: INHALATION[Y] EYE CONTACT[Y] SKIN CONTACT[Y] SKIN ABSORPTION[Y] INGESTION[N]
EXPOSURE LIMITS: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing use the lowest rated ingredient in Section 2.
IRRITANCY OF PRODUCT: N/Av
SENSITIZATION TO PRODUCT / MEDICAL CONDITIONS AGGRAVATED: N/Av
CARCINOGENICITY: None of the ingredients in this product are listed with IARC, NTP or OSHA as being carcinogenic.
TERATOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY: N/Av
TOXICOLOGICAL DATA: N/Av

SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: This product has not been tested for environmental effects.
IMPORTANT ENVIRONMENTAL CHARACTERISTICS: N/Av
AQUATIC TOXICITY: N/Av

SECTION 13. DISPOSAL CONSIDERATIONS

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

SECTION 14. TRANSPORTATION INFORMATION

SPECIAL SHIPPING INFORMATION	:	N/Av

DOT HM-181 SHIPPING INFORMATION

PROPER SHIPPING NAME	:	Consumer Commodity
HAZARD CLASS OR DIVISION	:	ORM-D
UN NUMBER	:	1950
PACKAGING GROUP	:	none
LABEL(S) REQUIRED	:	none

TDG SHIPPING INFORMATION

TDG SHIPPING NAME	:	Aerosols, Flammable Limited Quantity
TDG CLASSIFICATION	:	2.1
UN NUMBER	:	1950
PACKING GROUP	:	none
LABEL(S) REQUIRED	:	none
NAERG	:	126
EMERGENCY TELEPHONE NUMBER	:	(613) 996-6666

INTERNATIONAL TRANSPORT INFORMATION

PROPER SHIPPING NAME	:	Aerosol, Limited Quantity
CLASS OR DIVISION	:	2
SUBSIDIARY RISK	:	none
HAZARDOUS LABEL(S)	:	none
PACKAGING GROUP	:	none
UN OR ID NUMBER	:	UN 1950

SECTION 15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): The product on this MSDS, or all of its components, is listed under TSCA.

SARA TITLE III, SECTION 313: The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: Zinc Dust (25%), Methyl Ethyl Ketone (20%), Aluminum (3%), Xylene (<1%)

CLEAN AIR ACT (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP – 42 USC 7412, Title I, Part A, p112): Methyl Ethyl Ketone, Xylene

CLEAN WATER ACT (CWA):The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): Zinc Dust, Xylene

CALIFORNIA PROPOSITION 65: The following ingredients appear on the Proposition 65 list(s): None

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

DOMESTIC SUBSTANCES LIST (DSL): The product on this MSDS, or all of its components, is included in the DSL.

NEW JERSEY RIGHT TO KNOW (TITLE 34:5A-1): Zinc Dust (CAS 7440-66-6), Liquefied Petroleum Gas (CAS 68476-85-7), Methyl Ethyl Ketone (CAS 78-93-3), Stoddard Solvent (CAS 8052-41-3), Urethane Polymer (Trade Secret).

SECTION 16. OTHER INFORMATION

N/E	Not Established
N/Av	Not Available
N/Ap	Not Applicable
IARC	International Agency for Research on Cancer
ACGIH	American Conference of Governmental Industrial Hygienists
NIOSH	National Institute for Occupational Health and Safety
TLV-TWA	Threshold Limit Values, Time Weighted Average
NAERG	North American Emergency Response Guidebook
WHMIS	Workplace Hazardous Materials Information System