

MATERIAL SAFETY DATA SHEET

NULO GRAY DIP

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7/3/2007

PRODUCT NAME: NULO GRAY DIP
PRODUCT CODE: 220-D-228L

HMIS CODES: H F R P
1 0 0 B

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: CENTURY INDUSTRIAL COATINGS, INC.

ADDRESS : PO BOX 830
HWY 69 SOUTH
JACKSONVILLE, TX 75766

EMERGENCY PHONE : (800) 424-9300 DATE PRINTED : 7/3/2007
INFORMATION PHONE : (903) 586-9197 NAME OF PREPARER : LAB

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE MM HG @ TEMP	WEIGHT PERCENT
ALIPHATIC HYDROCARBON OSHA PEL: 500 PPM; ACGIH PEL: 100 PPM	8052-41-3	2	68 1.71
AROMATIC PETROLEUM DISTILLATES OSHA PEL: NOT ESTABLISHED; ACGIH PEL: 100 PPM	64742-95-6	3	68 .90
ETHYLENE GLYCOL MONOBUTYL ETHER OSHA PEL: 50 PPM ; ACGIH PEL: 25 PPM	111-76-2	.88	77 .76

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

N/A

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 300 degF - 336 deg F SPECIFIC GRAVITY (H2O=1): 1.335
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 0.813 lb/gl MATERIAL V.O.C.: 0.4 lb/gl
SOLUBILITY IN WATER: YES
APPEARANCE AND ODOR: GRAY IN APPEARANCE. LOW ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A = NOT APPLICABLE-NONE METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .8 UPPER: 10.6

EXTINGUISHING MEDIA: N/A

SPECIAL FIREFIGHTING PROCEDURES
This product is non-flammable.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID

M A T E R I A L S A F E T Y D A T A S H E E T

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from freezing; material may coagulate. Minimum storage temp. 1°C/34°F. Maximum storage temp. is 49°C/120°F.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong acids, strong bases, and strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Thermal decomposition may yield styrene and acrylic monomers.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Inhalation of overspray can cause irritation of nose, throat, and lungs.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYE CONTACT: May cause tearing and burning. SKIN CONTACT: Can dry and defat skin causing cracks, irritation, and dermatitis.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged skin contact can cause slight skin irritations.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

INGESTION: May cause gastro-intestinal distress.

HEALTH HAZARDS (ACUTE AND CHRONIC)

INHALATION: Headache, nausea, irritation of nose, throat and lungs. EYE CONTACT: Slight irritation. SKIN CONTACT: Slight skin irritation. INGESTION: May cause gastro-intestinal distress.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED:
No

N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Asthma, and any other respiratory disorders (bronchitis, emphysema, hyperactivity), skin allergies.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE: Move person to fresh air. EYE CONTACT: Flush with large quantities of water for 15 minutes and see a doctor if irritation persists. SKIN CONTACT: Wash thoroughly with soap and water. Consult a doctor if irritation persists. INGESTION: Give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Provide good ventilation. Dike spill area and contain spilled liquid by adding absorbent earth or sawdust around the perimeter of spilled liquid.

Keep spectators away. Floor may be slippery; use care to avoid falling. Add absorbent earth or sawdust to spilled liquid. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

WASTE DISPOSAL METHOD

Collect absorbent/water/spilled liquid mixture into suitable containers for disposal. Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Consult local, state & federal solid waste regulations before

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disposing into approved solid waste landfills. Obey relevant laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep from freezing. Avoid excessive heat.

OTHER PRECAUTIONS
N/A

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION
Avoid breathing overspray. A suitable respirator could be worn if needed to avoid breathing mist or particles.

VENTILATION
General mechanical ventilation or local exhaust should be suitable to keep vapor or mist at a suitable level.

PROTECTIVE GLOVES
N/A

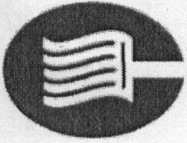
EYE PROTECTION
Use chemical safety glasses for eye protection.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
N/A

WORK/HYGIENIC PRACTICES
Hand washes and safety showers in the workplace are recommended.

===== SECTION IX - DISCLAIMER =====

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed to be accurate.



Century Industrial Coatings Inc.

P.O. Box 830 • Hwy. 69 South • Jacksonville, Texas • Phone 903-586-9197 • Fax 903-586-9291 • www.centurypaint.com

Revision Date: 2-09-2007

JOIST • KOTE

Product Code: 220-D-228K

Nulo™ Gray Dip Primer W/B

Description: 220-D-228K Nulo™ Dip Primer is a waterbased joist primer which provides corrosion protection to structural steel joists. This product has less than 1.0 lbs. /gallon VOC content and is Hazardous Air Pollutant (HAPs) free (0.00lbs/solid gallon). This waterbased product has been specifically designed to replace 3.0 VOC or higher solvent based products for use on existing joist coating lines while meeting or exceeding the SSPC-15 Paint specification.

Recommended Uses: 220-D-228K Nulo™ Dip Primer is specifically designed for use on all steel joists coated by dipping operations. This coating is a one coat shop primer for open web and long span steel joist and joist girders and for cold formed steel framing. This coating is intended to provide temporary protection to steel joists during delivery, storage on site, and erection in an atmosphere comparable with SSPC Environmental Zone 1, normally dry. This coating is intended to be used as a holding primer that may or may not be removed before or after erection or assembly in the field.

Technical Data:

Coating Type:	Proprietary waterbased resins	Density:	11.11 lbs/gal
Viscosity:	16-18" #2 Sig. Zahn Cup	Gloss:	8-15 Gloss Units @ 60° angle
Solids by weight:	58.87 +/- 1%	Solids by volume:	44.03 +/- 1%
VOC (actual emissions):	0.45 lbs/gal (53.79 g/L)	VOC (minus water):	0.89 lbs/gal (106.66 g/L)
HAPs:	0.00 lbs/gal	Adhesion:	5B ASTM-D-3359
Coating Thickness:	1.0 +/- 0.2 (0.8-1.2) mils DFT	Salt Spray Resistance:	100+ hours ASTM-B-117

Application Data:

- Temperature-** 220-D-228K has demonstrated good results when dried at air temperatures between 45°F and 100°F. Maintain product material temperatures between 48°F and 96°F. Do not allow product temperature to fall below 35°F or exceed 120°F. 220-D-228K will freeze below 23°F in 48 to 72 hours.
- Air Movement-** Good air movement and air turnover is important in the proper drying of this product. Air movement will remove water from the painted joists and promote positive drying; warm air is best but cold air movement will also remove water. Non-moving stagnant air around the painted joists becomes saturated with water vapor and retards the dry of the paint.
- Reduction -** This product is supplied in a ready-to-use form; reduction is not needed nor recommended. Do not use untreated tap water, untreated well water or other water sources to reduce the viscosity of 220-D-228K. Use only potable water treated with Century Industrial Coatings' 15-C-198E Reducer Concentrate to reduce the viscosity of 220-D-228K. (Mix 10 gallons of 15-C-198E to 320 gallons of water). This reducer was formulated to maintain the viscosity and properties of the coating without the need for constant pH monitoring. Add the reducer *only as needed to replace* water that has evaporated from the paint in the dip tanks under normal use. Add the reducer in small amounts up to 3%-5% by volume at a time concurrently with good, continuous mixing. Do not allow reducer to float on top of this Nulo™ product. Stir or power mix this Nulo™ product before, during, and after adding reducer. Do not exceed 8% volume reduction of this product. Excessive reduction can cause the paint to separate, discolor, bubble and foam and can cause severe settling and sludge build-up in the dip tank. Excessive reduction will cause "mud-cracking", low DFT, and premature corrosion failure of the dried film. Do not over-thin this product.
- Drainage-** Proper draining is critical to producing a quality product and achieving the maximum coverage with lowest paint cost. After dipping, the joist must be tilted at a sufficient angle to allow for the excess paint to drain cleanly off the joist and into the dip tank or drain tray. Puddles of excess paint formed on the joists due to poor draining will remain wet for very long times and may show discolor variations, separation, and stress cracks in the dried film.

Application Data: (continued)

Cure Schedule- Consult with your Century Industrial Coatings Technical Representative for proper drying recommendations before using this product. Recommendations will be made based upon specific conditions and requirements of your facility.

In general, allow 60 minutes of air dry / air movement, before outdoor exposure in good weather at 77°F / 50% relative humidity. Low temperatures and high humidity will lengthen dry times.

In cold, dry conditions (<60°F<45% R.H.), allow a minimum of two to three hours air dry / air movement (@ ≈75°F+) before outdoor exposure.

If the temperature is below 77°F and/or the relative humidity reaches 95% or higher, heated forced air *must* be applied to dry the joists to maintain production schedules. Avoid exposure of freshly painted joists to rain.

Good dry results have been found using 85°F -90°F forced air movement for 3+ hours minimum prior to outdoor exposure to rain at 45°F-50°F temperatures.

Hot Steel Welds-220-D-228K is a non-flammable waterbased coating and will boil at 212°F. Hot welded metal (above 212°F) must be cooled below the boiling point of water before dipping. Good results have been obtained by using fans to move cooling air around the welds. Alternatively, the hot welds must remain submerged in the liquid paint until cooled below 212°F (until the bubbling stops) to achieve the best joist appearance. Hot welds that are removed from the liquid paint above the boiling point (212°F) have a thickened, uneven, rough texture but generally show good corrosion resistance.

Contamination- Do not add mineral sprits or other organic solvents to reduce the viscosity of the product. Do not allow any mixing or blending with solvent based paints or other water based paints. Do not allow any soaps, detergents, greases, hydrophobic cutting oils, or cleaning compounds to come in contact with the liquid product in the dip tank.

Notes:

Nulo™ is a registered Trademark of Century Industrial Coatings Inc.

The Nulo™ Technology is an intellectual property of Century Industrial Coatings Inc.; United States Patent Pending

This is a water based product. Do not allow liquid product to freeze.

This product is non-flammable, non-combustible, will not burn in the wet state and has no flash point.

This product does not contain lead, chromates or heavy metals and the formed film and any residue is considered non-hazardous.

220-D-228K Nulo™ Dip Primer has excellent anti-settling and dip tank stability properties. It may be topcoated with itself, latex paint, or solvent based alkyd paint. As with all good painting practices, a small test patch is recommended before full scale painting begins. Consult with your Century Industrial Coatings Technical Representative for proper selection of paint finishes.

Read and understand the Material Safety Data Sheet before using this product.

This product is available in 55-gallon drums, portable tote tanks, and bulk transport quantities.

Disclaimer: All information and statements contained in this Product Data Sheet are believed to be true and accurate and were obtained or generated from accurate and reliable sources. This information is intended as a guide to product use; since Century Industrial Coatings has no control over the transport, storage, handling use, or application of this product, it must disclaim responsibility for any unsatisfactory results. This product is intended for use by persons having appropriate, professional painting skills and painting experience.

GRAY PRIMER

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1/8/2009

Date: Jan 8, 2009 11:05:31 AM EST

Attention: Karen
Subject: MSDS and Product Data Pages

Sender: JERRY D SEARS JR
Sender Phone: (972) 224-9257
Sender Fax: (972) 224-9258

Sales Number	REX	UPC	Data Page	MSDS
1. 6015-27211	B74AT0083			Attached
Utility Shopcoat Primer Fast Dry Alkyd				

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GRAY PRIMER

By 20f6

1/8/2009

MATERIAL SAFETY DATA SHEET

B74AT83
09 00

DATE OF PREPARATION
Dec 11, 2008

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

B74AT83

PRODUCT NAME

Utility Shop Coat Primer - Fast Dry Alkyd, Gray

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY

101 Prospect Avenue N.W.

Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	www.sherwin-williams.com
Regulatory Information	(216) 566-2902 www.paintdocs.com
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300

*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
4	64742-88-7	Mineral Spirits		
		ACGIH TLV	100 PPM	2 mm
		OSHA PEL	100 PPM	
4	100-41-4	Ethylbenzene		
		ACGIH TLV	100 PPM	7.1 mm
		ACGIH TLV	125 PPM STEL	
		OSHA PEL	100 PPM	
		OSHA PEL	125 PPM STEL	
22	1330-20-7	Xylene		
		ACGIH TLV	100 PPM	5.9 mm
		ACGIH TLV	150 PPM STEL	
		OSHA PEL	100 PPM	
		OSHA PEL	150 PPM STEL	
0.4	14808-60-7	Quartz		
		ACGIH TLV	0.025 mg/m3 as Resp. Dust	
		OSHA PEL	0.1 mg/m3 as Resp. Dust	
28	14807-96-6	Talc		
		ACGIH TLV	2 mg/m3 as Resp. Dust	
		OSHA PEL	2 mg/m3 as Resp. Dust	
9	471-34-1	Calcium Carbonate		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	15 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	
3	13463-67-7	Titanium Dioxide		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

HMS Codes

Health	2*
Flammability	3
Reactivity	0

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B74AT83

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary and reproductive systems.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES**FLASH POINT**

35° F PMCC

LEL

1.0

UEL

7.0

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100° F (38 °C)

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE**STORAGE CATEGORY**

DOL Storage Class IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are **FLAMMABLE**. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION**PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

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When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	10.82 lb/gal	1296 g/l
SPECIFIC GRAVITY	1.30	
BOILING POINT	277 - 395° F	136 - 201° C
MELTING POINT	Not Available	
VOLATILE VOLUME	46%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)		
3.30lb/gal	396g/l	Less Water and Federally Exempt Solvents
3.30lb/gal	396g/l	Emitted VOC

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

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TOXICOLOGY DATA

CAS No.	Ingredient Name			
64742-88-7	Mineral Spirits	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
100-41-4	Ethylbenzene	LC50 RAT	4HR	Not Available
		LD50 RAT		3500 mg/kg
1330-20-7	Xylene	LC50 RAT	4HR	5000 ppm
		LD50 RAT		4300 mg/kg
14808-60-7	Quartz	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
14807-96-6	Talc	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
471-34-1	Calcium Carbonate	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
13463-67-7	Titanium Dioxide	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
 No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD
 Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

US Ground (DOT)
 1 Gallon and Less may be Classed as CONSUMER COMMODITY, ORM-D
 Larger Containers are Regulated as:
 UN1263, PAINT, 3, PG II, (ERG#128)
DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities
 Ethyl benzene 1000 lb RQ
 Xylenes (isomers and mixture) 100 lb RQ
Bulk Containers may be Shipped as (check reportable quantities):
 RQ, UN1263, PAINT, 3, PG II, (XYLENES (ISOMERS AND MIXTURE)), (ERG#128)
Canada (TDG)
 UN1263, PAINT, CLASS 3, PG II, (ERG#128)
IMO
 UN1263, PAINT, CLASS 3, PG II, (2 C c.c.), EmS F-E, S-E

SECTION 15 — REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
100-41-4	Ethylbenzene	4	
1330-20-7	Xylene	22	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
TSCA CERTIFICATION
 All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

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SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

RED PRIMER

Date: Jan 8, 2009 11:05:13 AM EST

Attention: Karen
Subject: MSDS and Product Data Pages

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1/8/2009

Sender: JERRY D SEARS JR
Sender Phone: (972) 224-9257
Sender Fax: (972) 224-9258

Sales Number	REX	UPC	Data Page	MSDS
1. 6015-16685	B50NV0012			Attached
Steel Spec Structural Steel Primer				

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Red PRIMER

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MATERIAL SAFETY DATA SHEET

B50NV12
22 00

DATE OF PREPARATION
Sep 8, 2008

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

B50NV12

PRODUCT NAME

STEEL SPEC™ Structural Steel Primer, Brownish Red

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	www.sherwin-williams.com
Regulatory Information	(216) 566-2902 www.paintdocs.com
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300

*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
8	64742-89-8	V. M. & P. Naphtha		
		ACGIH TLV	300 PPM	12 mm
		OSHA PEL	300 PPM	
		OSHA PEL	400 PPM STEL	
6	64742-88-7	Mineral Spirits		
		ACGIH TLV	100 PPM	2 mm
		OSHA PEL	100 PPM	
6	64742-88-7	Mineral Spirits 140-Flash		
		ACGIH TLV	100 PPM	0.5 mm
		OSHA PEL	100 PPM	
0.1	136-52-7	Cobalt 2-Ethylhexanoate		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	
0.1	14808-60-7	Quartz		
		ACGIH TLV	0.025 mg/m3 as Resp. Dust	
		OSHA PEL	0.1 mg/m3 as Resp. Dust	
58	471-34-1	Calcium Carbonate		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	15 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

HMIS Codes

Health	2*
Flammability	3
Reactivity	0

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MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

SECTION 4 — FIRST AID MEASURES**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.**SKIN:** Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.**INGESTION:** Do not induce vomiting. Get medical attention immediately.**SECTION 5 — FIRE FIGHTING MEASURES****FLASH POINT**

95° F PMCC

LEL

0.9

UEL

6.0

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100° F (38 °C)

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE**STORAGE CATEGORY**

DOL Storage Class IC

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION**PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

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OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	12.91 lb/gal	1546 g/l
SPECIFIC GRAVITY	1.55	
BOILING POINT	240 - 416° F	115 - 213° C
MELTING POINT	Not Available	
VOLATILE VOLUME	42%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)		
	2.72lb/gal	326g/l
	2.72lb/gal	326g/l

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.

Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.

TOXICOLOGY DATA

CAS No.	Ingredient Name			
64742-89-8	V. M. & P. Naphtha	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64742-88-7	Mineral Spirits	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
64742-88-7	Mineral Spirits 140-Flash	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
136-52-7	Cobalt 2-Ethylhexanoate	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
14808-60-7	Quartz	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
471-34-1	Calcium Carbonate	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

US Ground (DOT)

1 Gallon and Less may be Classed as CONSUMER COMMODITY, ORM-D

Larger Containers are Regulated as:

UN1263, PAINT, 3, PG III, (ERG#128)

Bulk Containers may be Shipped as:

UN1263, PAINT, 3, PG III, (ERG#128)

Canada (TDG)

UN1263, PAINT, CLASS 3, PG III, LIMITED QUANTITY, (ERG#128)

IMO

UN1263, PAINT, CLASS 3, PG III, (35 C c.c.), EmS F-E, S-E

SECTION 15 — REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
	Cobalt Compound	0.1	0.01

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.