

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Super C Lead Strip  
**MSDS Number:** Z-01568  
**Cancelled MSDS Number:** NEW  
**MSDS Date:** 10/24/2002  
**Chemical Family Name:** Solution of Clay, Petroleum distillates and Sodium hydroxide.  
**Product Use:** Lead Abatement Product  
**Chemical Formula:** Mixture-NA  
**CAS # (Chemical Abstracts Service Number):** Mixture-NA

**Manufactured by:**

W.R.Grace & Co.-Conn.  
62 Whittemore Avenue  
Cambridge, MA 02140

Grace Canada, Inc.  
294 Clements Road West  
Ajax, Ontario L1S 3C6

**In Case of Emergency Call:**

In USA: (617) 876-1400 In Canada: (905) 683-8561

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS#</b>	<b>Percent (max)</b>
Distillates, petroleum, hydrotreated light	064742-47-8	< 50
Magnesium Aluminum Silicate	012174-11-7	< 50
Magnesium oxide fume	001309-48-4	< 16
Quartz	014808-60-7	< 1
Sodium hydroxide	001310-73-2	< 22

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

---

**SECTION 3 - HAZARDS IDENTIFICATION**

**Emergency Overview:**

**Caution!**

Causes severe eye irritation with possible permanent impairment of vision.  
Causes skin burns.  
Causes respiratory tract irritation.  
May be harmful if ingested.  
Causes digestive tract burns if ingested.

**HMIS Rating:**

Health:	3
Flammability:	0
Reactivity:	0
Personal Protective Equipment:	3

**Potential Health Effects:**

**Inhalation:**

Spray applications of this material may create aerosols which may be severely irritating to the upper respiratory tract, nose, and throat.  
If inhaled as a vapor or mist, causes irritation, sore throat, coughing and breathing difficulty.  
Prolonged inhalation may cause sensitization.

**Eye Contact:**

Severe eye irritant.  
Spray applications of this material may create aerosols which may cause severe eye irritation with corneal injury. Contact may result in permanent impairment of vision, even blindness.

**Skin Contact:**

Skin contact is corrosive, causes burns.  
Prolonged skin contact can result in burns.

**Skin Absorption:**

Not expected to be harmful if absorbed through the skin.

**Ingestion:**

Harmful if ingested.  
If ingested, causes burns to the linings of the mouth, esophagus and stomach.  
Effects include: Nausea, pain, vomiting, diarrhea, bleeding and tissue ulceration.

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

---

**SECTION 4 - FIRST AID MEASURES:**

**Skin Contact:**

Wash with soap and water.  
If discomfort or irritation persists, consult a physician.  
Remove contaminated clothing and wash before reuse.

**Eye Contact:**

Flush eyes with water for at least 15 minutes while holding eyelids open.  
Consult a physician immediately.

**Ingestion:**

Do not induce vomiting.  
Never give anything by mouth to an unconscious person.  
Consult a physician immediately.

**Inhalation:**

If symptoms develop, get fresh air. If symptoms persist, consult a physician.  
If breathing has stopped, give artificial respiration then oxygen if needed.

---

**SECTION 5 - FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point:</b>	Not Applicable
<b>Flash Point Method:</b>	Not Applicable
<b>Lower Explosion Limit:</b>	Not Available
<b>Upper Explosion Limit:</b>	Not Available
<b>Auto-Ignition Temperature:</b>	Not Available

**NFPA Rating:**

<b>Health:</b>	2
<b>Flammability:</b>	0
<b>Reactivity:</b>	0

**Extinguishing Media:** In case of fire, use water spray, dry chemical, Carbon dioxide or foam.

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Isolate area and keep unnecessary people away.

No special procedures specific to this product.

**Unusual Fire and Explosion Hazards:**

None unless noted below.

---

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
 MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

**SECTION 6 - ACCIDENTAL RELEASE MEASURES:**

**Spills/Leaks:**

Prevent spills from entering drinking water supplies, streams, or sewers.  
 Collect material with an inert, noncombustible material and remove for disposal.

**SECTION 7 - HANDLING AND STORAGE**

**Precautionary Measures:**

Avoid contact with eyes, skin and clothing.  
 Do not take internally.  
 Practice good personal hygiene to avoid ingestion.  
 Spray application requires use of respiratory protection.  
 Wash clothing before reuse.  
**FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.**

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT**

**EXPOSURE GUIDELINES (US)**

Ingredient	ACGIH TLV			OSHA PEL			Other
	TWA	STEL	Ceiling	TWA	STEL	Ceiling	
Distillates, petroleum, hydrotreated light	-	-	-	-	-	-	-
Magnesium Aluminum Silicate	-	-	-	-	-	-	-
Magnesium oxide fume	10 mg/m3 TWA (fume)	-	-	10 mg/m3 TWA (total particulate )	-	-	-
Quartz	0.05 mg/m3 TWA (respirable fraction)	-	-	0.1 mg/m3 TWA (respirable dust)	-	-	-
Sodium hydroxide	-	-	2 mg/m3 Ceiling	-	-	-	-

**EXPOSURE GUIDELINES (CANADA)**

Employers should consult local Provincial regulatory limits for exposure guidelines which may vary locally.

**Engineering Controls:**

Use local exhaust ventilation or increased general ventilation when possible.

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

**Personal Protective Equipment:**

**Respiratory Protection:** Respiratory protection is required during spray application. A dust/mist respirator such as a 3M Type P-95 or 3M Type 3-95 with organic vapor protection (or equivalent) is adequate. Specific working conditions, which must be assessed periodically, may require an increased level of respiratory protection. A respirator equipped with organic vapor cartridges may be required indoors and in other poorly ventilated areas. Respirators may not be required during non-spray applications and other specific situations. In all cases, maintain exposures below governmental limits. (See Work/Hygenic Practices for additional information.)

**Skin Protection:** Impervious (PVC, latex or nitrile) gloves should be worn anytime direct contact is possible.

**Eye Protection:** Wear goggles to prevent exposure to high vapor or mist concentrations. Wear goggles or safety glasses with side shields and a full-face shield to prevent contact due to splashing.

**Work/Hygenic Practices:** Work clothing with long sleeves/long pants and work boots must be worn. Clothing must be laundered before reuse. Disposable tyvek suits may be used during spray applications.

This product contains compounds subject to exposure guidelines and/or identified as carcinogens. (See Sections 8 and 11). However, due to the physical nature of this product, these compounds are unlikely to reach exposure limits.

---

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Appearance/Odor:</b>	White paste.
<b>Odor Threshold:</b> (ppm)	Not Determined
<b>pH:</b>	< 12
<b>Vapor Pressure:</b> (Mm Hg)	< 1 atm.
<b>Vapor Density:</b> (Air = 1)	Not Applicable
<b>Solubility In Water:</b>	> 50 %
<b>Specific Gravity:</b> (Water = 1)	1.48
<b>Evaporation Rate:</b> (Butyl Acetate = 1)	< 1
<b>Boiling Point:</b>	>212°F/100°C
<b>Viscosity:</b>	Unknown
<b>Bulk Density:</b> (Pounds/Cubic Foot)(Pcf)	Not Applicable
<b>% Volatiles (gr/L):</b> (70°F) (21°C)	Not Available

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

---

**SECTION 10 - STABILITY AND REACTIVITY**

**Chemical Stability:** Stable  
**Conditions To Avoid:** None known for this product.  
**Hazardous Polymerization:** Will not polymerize.  
**Hazardous Decomposition** None known for this product.  
**Products:**

---

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Ingredient(No data unless listed.)**                      **CAS Number**                      **LD50 and LC50**

**Carcinogenicity:**

Ingredient	IARC Group 1	IARC Group 2A	IARC Group 2B	NTP Known	NTP Suspect	OSHA
Distillates, petroleum, hydrotreated light	No	No	No	No	No	No
Magnesium oxide fume	No	No	No	No	No	No
Magnesium Aluminum Silicate	No	No	Yes	No	No	No
Quartz	Yes	No	No	Yes	Yes	No
Sodium hydroxide	No	No	No	No	No	No

Product contains less than 1% Quartz. Prolonged and repeated exposure to respirable Quartz (Crystalline silica) can decrease lung function and create risk of lung disease (i.e. silicosis and/or lung cancer). However, Quartz is not expected to be bio-available during routine use and application.

**Mutagenicity:** Not applicable.  
**Teratogenicity:** Not applicable.  
**Reproductive Toxicity:** Not applicable.

---

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental Fate:** No data available for product.  
**Ecotoxicity:** No data available for product.

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

---

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Waste Disposal Procedures:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. According to EPA (40 CFR ° 261), waste of this product is defined as hazardous. EPA Hazardous Waste Number is D002 (due to its corrosivity.) Oil spills released directly into water ways may be subject to National Response Center (NRC) reporting at 800-424-8802. Immediately contact your companies environmental coordinator or Grace's Environmental Health and Safety Department. Dispose of waste in accordance with all applicable regulations.

---

**SECTION 14 - TRANSPORTATION INFORMATION**

<b>Proper Shipping Name:</b>	Paint related Material (Sodium Hydroxide)
<b>UN/NA Number:</b>	UN3066
<b>Domestic Hazard Class:</b>	8 (corrosive)
<b>Surface Freight Classification:</b>	Not Applicable
<b>Label/Placard Required:</b>	Corrosive

---

**SECTION 15 - REGULATORY INFORMATION**

**REGULATORY CHEMICAL LISTS:**

**CERCLA (Comprehensive Response Compensation and Liability Act):**  
**(None present unless listed below)**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>CERCLA RQ</u>
Sodium hydroxide	001310-73-2		1000 lb final RQ; 454 kg final RQ

**SARA Title III (Superfund Amendments and Reauthorization Act)**

**SARA Section 312/Tier I & II Hazard Categories:**

Health Immediate (acute)	Yes
Health Delayed (chronic)	No
Flammable	No
Reactive	No
Pressure	No

**302 Reportable Ingredients (Identification Threshold 1%.):**

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

---

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>SARA 302</u> <u>TPQ</u>
----------------------	--------------	-------------	-------------------------------

**313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
----------------------	--------------	-------------

**National Volatile Organic Compound Emission Standards For Architectural Coatings:**

**Volatile Organic Content:** (gr/L) Not Applicable

**WHMIS Classification(s):** D2 B

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

**State Regulatory Information:**

**California Proposition 65:**

WARNING! This product contains substances known to the state of California to cause cancer, birth defects or other reproductive harm.

**Massachusetts Hazardous Substance List(Identification threshold 0.001%(1ppm)):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
Quartz	014808-60-7	.125

**New Jersey Hazardous Substance List(Identification threshold (0.1%)):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
----------------------	--------------	-------------

**Pennsylvania Hazardous Substance List(Identification threshold 0.01%):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
----------------------	--------------	-------------

**W. R. GRACE**  
**MATERIAL SAFETY DATA SHEET**

Product Name: Super C Lead Strip  
MSDS ID Number: Z-01568

MSDS Date: 10/24/2002

**CHEMICAL INVENTORY STATUS:**

**All chemicals in this product are listed or exempt from listing in the following countries:**

US	CANADA		EUROPE	AUSTRALIA	JAPAN	KOREA	PHILIPPINES
TSCA	DSL	NDSL	EINECS/ELINCS	AICS	ENCS	ECL	PICCS
Yes	Yes	Not Determined	Not Determined	Not Determined	Not Determined	Not Determined	Not Determined

**SECTION 16 - OTHER INFORMATION**

**Non-Hazardous Ingredient Disclosure:**

**Chemical Name**

**CAS Number**

Water

007732-18-5

**Prepared by:** EH&S Department  
**Approved by:** EH&S Department  
**Approved Date:** 10/24/2002

**Disclaimer:**

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."