

# MATERIAL SAFETY DATA SHEET

**Glidden THE GLIDDEN COMPANY**

925 EUCLID AVENUE  
 CLEVELAND, OHIO 44115  
 AGENCY TELEPHONE NO. (216) 826-5566

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 SECTION I  
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CODE IDENTIFICATION 18228 DATE PRINTED 06/19/92  
 PRODUCT IDENTIFICATION RUST-GUARD HIGH SOLIDS PRIMER - RED

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 SECTION II-A - HAZARDOUS INGREDIENTS  
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CHEMICAL NAME: IRON OXIDE  
 COMMON NAME : METALLIC BROWN IRON OXIDE  
 CAS NUMBER : 1309-37-1 LD50: NOT EST.  
 CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO  
 ACGIH (TWA) : 5 MG/M3 OSHA (TWA) : 10 MG/M3  
 ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
 OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.  
 WT.%: 5-10  
 SARA? NO  
 CERCLA? NO  
 OSHA? NO

CHEMICAL NAME: DISTILLATES (PETROLEUM), STEAM-CRACKED,  
 POLYMO.  
 COMMON NAME : PETROLEUM RESINS  
 CAS NUMBER : 68131-77-1 LD50: NOT EST.  
 CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO  
 ACGIH (TWA) : 5 MG/M3 OSHA (TWA) : 5 MG/M3  
 ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
 OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.  
 WT.%: 1-5  
 SARA? NO  
 CERCLA? NO  
 OSHA? NO

CHEMICAL NAME: LIMESTONE  
 COMMON NAME : LIMESTONE  
 CAS NUMBER : 1317-65-3 LD50: NOT EST.  
 CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO  
 ACGIH (TWA) : 10 MG/M3 OSHA (TWA) : 5 MG/M3  
 ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
 OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.  
 WT.%: 10-20  
 SARA? NO  
 CERCLA? NO  
 OSHA? NO

CHEMICAL NAME: TALC  
 COMMON NAME : TALC  
 CAS NUMBER : 14807-96-6 LD50: NOT EST.  
 CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO  
 ACGIH (TWA) : 2 MG/M3 OSHA (TWA) : 2 MG/M3  
 ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
 OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.  
 WT.%: 10-20  
 SARA? NO  
 CERCLA? NO  
 OSHA? NO

CHEMICAL NAME: MICA-GROUP MINERALS  
 COMMON NAME : MICA  
 CAS NUMBER : 12001-26-2 LD50: NOT EST.  
 CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO  
 ACGIH (TWA) : 3 MG/M3 OSHA (TWA) : 3 MG/M3  
 ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
 OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.  
 WT.%: 1-5  
 SARA? NO  
 CERCLA? NO  
 OSHA? NO

CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC  
 COMMON NAME : LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)  
 CAS NUMBER : 64742-89-8 LD50: GT 8.00 ML/KG ORL RAT  
 CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO  
 ACGIH (TWA) : 300 PPM OSHA (TWA) : 300 PPM  
 ACGIH (STEL) : NOT EST. OSHA (STEL) : 400 PPM  
 OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.  
 WT.%: 10-20  
 SARA? NO  
 CERCLA? NO  
 OSHA? NO

CHEMICAL NAME: QUARTZ  
 COMMON NAME : QUARTZ  
 CAS NUMBER : 14808-60-7 LD50: NOT EST.  
 CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? YES 2A  
 ACGIH (TWA) : 0.1 MG/M3 OSHA (TWA) : 0.1 MG/M3  
 WT.%: .1-1.0  
 SARA? NO  
 CERCLA? NO  
 OSHA? NO

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## SECTION II-A - HAZARDOUS INGREDIENTS

ACGIH (STEL) : NOT EST.  
OSHA (SKIN) : CEILING: OSHA (STEL) : NOT EST.  
SUPP REC STD. : NOT EST.

CHEMICAL NAME: DISTILLATES (PETROLEUM), HYDROTREATED LIGHT  
COMMON NAME : HYDROTREATED LIGHT DISTILLATE (PETROLEUM) WT. %: 5-10  
CAS NUMBER : 64742-47-8 LD50: 4.70 GM/KG ORL RAT SARA? NO  
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? NO  
ACGIH (TWA) : 100 PPM OSHA (TWA) : 100 PPM OSHA? NO  
ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: TALC  
COMMON NAME : TALC WT. %: 1-5  
CAS NUMBER : 14807-96-6 LD50: NOT EST. SARA? NO  
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? NO  
ACGIH (TWA) : 2 MG/M3 OSHA (TWA) : 2 MG/M3 OSHA? NO  
ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: PHOSPHORIC ACID, ZINC SALT  
COMMON NAME : ZINC PHOSPHATE WT. %: 1-5  
CAS NUMBER : 7779-90-0 LD50: NOT EST. SARA? \*\*  
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? \*\*  
ACGIH (TWA) : 10 MG/M3 OSHA (TWA) : 15 MG/M3 OSHA? NO  
ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: BENZENE  
COMMON NAME : BENZENE WT. %: .01-.1  
CAS NUMBER : 71-43-2 LD50: NOT EST. SARA? \*\*  
CARCINOGENICITY LISTED BY: NTP? YES A IARC MONOGRAPH? YES 1 CERCLA? \*\*  
ACGIH (TWA) : 10 PPM OSHA (TWA) : 1 PPM OSHA? YES  
ACGIH (STEL) : NOT EST. OSHA (STEL) : 5 PPM  
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

CHEMICAL NAME: ZINC OXIDE  
COMMON NAME : ZINC OXIDE WT. %: 1-5  
CAS NUMBER : 1314-13-2 LD50: NOT EST. SARA? \*\*  
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? \*\*  
ACGIH (TWA) : 10 MG/M3 OSHA (TWA) : 5 MG/M3 OSHA? NO  
ACGIH (STEL) : NOT EST. OSHA (STEL) : NOT EST.  
OSHA (SKIN) : CEILING: SUPP REC STD. : NOT EST.

\*\* THIS CHEMICAL IS SUBJECT TO SARA 313 REPORTING REQUIREMENTS (40 CFR PART 372).  
\*\*\* THIS CHEMICAL IS A HAZARDOUS SUBSTANCE AS DEFINED BY CERCLA (40 CFR PART 302.4).  
OSHA STANDARD FOR MICA IS 20 MPPCF.

## SECTION II-B - OTHER INGREDIENTS

CHEMICAL NAME: FATTY ACIDS, TALL-OIL, POLYMERS WITH GLYCEROL, PENTAERYTHRITOL AND PHTHALIC ANHYDRIDE WT. %: 10-20  
COMMON NAME: SAME  
CAS NUMBER : 66070-62-0

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**SECTION V - HEALTH HAZARD DATA**  
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**INGESTION**

INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTEADEDNESS, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION.

**SUPPLEMENTAL HEALTH INFORMATION**

OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE TOXICITY TO LIVER, KIDNEY.

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS DETERMINED THAT THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF BENZENE TO HUMANS AND EXPERIMENTAL ANIMALS (GROUP 1). THE NATIONAL TOXICOLOGY PROGRAM (NTP) HAS DETERMINED THAT BENZENE IS KNOWN TO BE CARCINOGENIC. BENZENE IS REGULATED BY OSHA AS A CARCINOGEN.

EXCESSIVE INHALATION OF FUMES MAY LEAD TO METAL FUME FEVER CHARACTERIZED BY A METALLIC TASTE IN MOUTH, EXCESSIVE THIRST, COUGHING, WEAKNESS, FATIGUE, MUSCULAR PAIN, NAUSEA, CHILLS AND FEVER.

NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

REPEATED AND PROLONGED INHALATION ABOVE RECOMMENDED EXPOSURE LIMITS MAY CAUSE DELAYED INJURY TO LUNGS, INCLUDING SILICOSIS AND LUNG CANCER.

MICA CONTAINS FREE CRYSTALLINE SILICA AT GREATER THAN 0.10% BUT LESS THAN 2%. CRYSTALLINE SILICA IS CONSIDERED A PROBABLE HUMAN CARCINOGEN BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, BASED ON LIMITED EVIDENCE FOR THE CARCINOGENICITY TO HUMANS AND SUFFICIENT EVIDENCE IN EXPERIMENTAL ANIMALS.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

EYE, SKIN, RESPIRATORY DISORDERS  
 LUNG DISORDERS  
 ASTHMA-LIKE CONDITIONS

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**SECTION VI - FIRST AID PROCEDURES**  
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**INHALATION**

REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING. GET EMERGENCY MEDICAL ATTENTION. HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY.

**SKIN CONTACT**

FLUSH FROM SKIN WITH WATER. THEN WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE RE-USE.

**EYE CONTACT**

FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.

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## SECTION III - PHYSICAL DATA

VAPOR PRESSURE	NOT DETERMINED	SPECIFIC GRAVITY	1.353
BOILING RANGE	176 - 400 F	WEIGHT PER GALLON	11.27
EVOLATILE BY VOLUME	50.41		
PHYSICAL STATE	LIQUID	COLOR	RED
SOLUBILITY IN WATER	NOT DETERMINED	PH	NOT DETERMINED

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (SETA)	102 F	LOWER EXPLOSIVE LIMIT	.7
		UPPER EXPLOSIVE LIMIT	7.0

### EXTINGUISHING MEDIA

DRY CHEMICAL OR FOAM

### UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE.  
VAPORS CAN FORM EXPLOSIVE MIXTURES IN AIR AT ELEVATED TEMPERATURES.  
MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

### SPECIAL FIRE FIGHTING PROCEDURES

WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.  
SELF-CONTAINED BREATHING APPARATUS RECOMMENDED.

## SECTION V - HEALTH HAZARD DATA

### PRIMARY ROUTE(S) OF EXPOSURE

INHALATION  
SKIN  
EYES  
INGESTION

### EFFECTS OF OVEREXPOSURE

#### INHALATION

IRRITATION OF RESPIRATORY TRACT. PROLONGED INHALATION MAY LEAD TO FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, COUGHING, CENTRAL NERVOUS SYSTEM DEPRESSION, RESPIRATORY PROBLEMS, ANESTHETIC EFFECT OR NARCOSIS, PNEUMOCONIOSIS, LOSS OF CONSCIOUSNESS, ASPHYXIATION, DEATH.

#### SKIN CONTACT

IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, OEFFATTING, ALLERGIC RESPONSE.

#### EYE CONTACT

IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE BLURRED VISION, TEARING OF EYES, REDNESS OF EYES, SEVERE EYE IRRITATION.

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## SECTION VI - FIRST AID PROCEDURES

**INGESTION** IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

## SECTION VII - REACTIVITY DATA

**STABILITY** STABLE

**INCOMPATIBILITY** OXIDIZERS, ACIDS, BASES, AMINES, MAGNESIUM, MINERAL ACIDS.

**CONDITIONS TO AVOID**

ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT.

**HAZARDOUS DECOMPOSITION PRODUCTS**

CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF PHOSPHORUS.

**HAZARDOUS POLYMERIZATION**

WILL NOT OCCUR

## SECTION VIII - SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS.

ELIMINATE ALL SOURCES OF IGNITION.

VENTILATE AREA.

SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS.

LARGE SPILLS - SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.

**WASTE DISPOSAL**

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. AVOID DISCHARGE TO NATURAL WATERS.

## SECTION IX - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION**

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE STANDARDS. WHERE RESPIRATORY PROTECTION IS REQUIRED, USE ONLY NIOSH/MSHA APPROVED RESPIRATORS IN ACCORDANCE WITH OSHA STANDARD 29 CFR 1910.134.

**VENTILATION**

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS.

**PERSONAL PROTECTIVE EQUIPMENT**

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES. IMPERVIOUS GLOVES.