

## MATERIAL SAFETY DATA SHEET

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)  
 IMPORTANT: Read this MSDS before handling and disposing of this product.  
 Pass this information on to employees, customers, and users of this product.

<b>I. CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION/HAZARD RATINGS</b>
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PRODUCT IDENTITY:	<b>DETCO GS1-301 AND GS1-302 ACCELERATOR (PART B)</b>	
COMPANY IDENTITY:	DETCO MARINE	HAZARD RATINGS:
COMPANY ADDRESS:	7220 FENWICK LANE	
COMPANY CITY:	WESTMINSTER, CA 92863	HEALTH: : 2
COMPANY PHONE:	(714) 895-7002	FLAMMABILITY : 3
CHEMTREC PHONE:	(800) 424-9300	REACTIVITY : 0
PREPARED BY:	Douglas E. Templin 4/1/04	

<b>II. INGREDIENT &amp; REGULATORY INFORMATION</b>
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All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

<u>SARA TITLE III INGREDIENTS</u>	<u>CAS #</u>	<u>WT. % (REG. SECTION)</u>	<u>RQ (LBS)</u>
Lead dioxide	1309-60-0	70% (311-313)	100

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

<u>MATERIAL</u>	<u>CAS #</u>	<u>TWA + (OSHA)</u>	<u>TLV (ACGIH)</u>	<u>HAP</u>
Lead dioxide	1309-60-0	50 pg/m <sup>3</sup>	n/d	Yes

<u>MATERIAL</u>	<u>CAS #</u>	<u>CEILING</u>	<u>STEL (OSHA &amp; ACGIH)</u>
Lead dioxide	1309-60-0	n/d	100 ppm

CALIFORNIA PROPOSITION 65: This product contains inorganic lead compound which is known to the State of California to cause cancer, birth defects and/or other reproductive harm.

DOT SHIPPING NAME: Adhesives, Class 3, Packing Group III, UN1133 (when shipped as a kit with base)

DOT SHIPPING NAME: \*Oxidizing Liquid, n.o.s. (Lead Dioxide), Class 5.1, UN3139, Packing Group III  
 \*(If shipped by itself)

<b>III. HAZARDS IDENTIFICATION</b>
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<u>Material</u>	<u>CAS #</u>	<u>LDL (ORAL)</u>	<u>LDL (SKIN)</u>
Lead dioxide	1309-60-0	(Rat) n/d	(Rabbit) n/d
*n/d - not determined.			

EYE & SKIN CONTACT: Dust, mist vapor or fumes may cause irritation in sensitive individuals but skin absorption does not readily occur.

INHALATION: Dust, mist, vapor or fumes may be irritating to respiratory system and can cause acute or chronic overexposure.

### III. Hazards Identification (continued)

**SWALLOWING:** Dust, mist vapor fumes may be absorbed and irritating to digestive system. Chronic and acute exposure can result. Contains lead or lead compounds which are known to the State of California to cause cancer, birth defects or other reproductive harm.

**SUBCHRONIC EXPOSURE:** If left untreated: weakness, headache, loss of appetite, loss of coordination, stupor, convulsions or death.

**CHRONIC EXPOSURE:** Kidney damage may occur without symptoms. Lead can cross placental barrier. Fertile females should have exposure and biological specimens carefully monitored to assure blood levels stay within CDC guidelines so fetus is protected. If left untreated: fatigue, loss of appetite, metallic taste in mouth, stomach cramps, anemia, muscle and joint pain, neuromuscular dysfunction, possible paralysis and encephalopathy. Analysis of biological specimens and medical examination are necessary to verify excessive lead absorption. Effects are generally seen only after long-term exposure. Inorganic lead compounds can be safely handled by using good ventilation, personal protective equipment, good personal hygiene and adequate employee training.

**Additional precautions:** Use special care to remove lead compounds from hair and under fingernails. Never wear contaminated clothing home. Change clothing before entering eating areas. Do not eat, smoke, drink or apply cosmetics in work areas. Wash hands and face thoroughly before eating, drinking or smoking.

### IV. FIRST AID MEASURES

**EYE CONTACT:** Flush with water for 15 minutes, holding lids open, and seek immediate medical attention.

**SKIN CONTACT:** Wash with soap and water, do not use solvents. Wash contaminated clothing before reuse

**INHALATION:** Move to ventilated area, administer oxygen if breathing is affected.

**SWALLOWING:** Induce vomiting, treat for shock and call physician immediately.

### V. FIRE FIGHTING MEASURES

**AUTO IGNITION TEMPERATURE:** N/A

**FLAMMABLE LIMIT IN AIR:** N/A

**FLASH POINT (TEST METHOD):** N/A

**FLAMMABILITY CLASSIFICATION:** 5.1

**EXTINGUISHING MEDIA:** Water

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water, do not use dry chemicals, carbon dioxide, halon or foam. Use positive pressure self-contained breathing apparatus with full face piece.

### VI. ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Absorb liquid in vermiculite, paper, floor absorbent and transfer to waste containers.

**WASTE DISPOSAL:** Allow any volatiles to evaporate in hood and dispose in accordance with local, federal and state regulations. Large spill, destroy by incineration.

RCRA denotes product is unregulated if returned to smelter for reclamation. Other disposal necessitates RCRA "Hazardous Waste" designation.

### VII. HANDLING AND STORAGE

Isolate from oxidizers, heat, sparks or flame. Use only with adequate ventilation. Wear Nitrile gloves, apron and impervious foot gear. Wash clothing before reuse. Use splash goggles or face shield. Store below 80°F. Use special care to remove lead from hair and under fingernails. Never take contaminated work clothes or shoes home. Change or clean clothes before entering eating areas. Do not eat, smoke, drink or apply cosmetics in work area. Wash face and hands thoroughly before eating, drinking or smoking.

**VIII. EXPOSURE CONTROLS**

Ventilate to remove vapors and sulfurous odor. Use positive pressure breathing apparatus if necessary and explosion-proof exhaust. Use impervious clothing and goggles/face shield. Wash hands before eating or drinking.

**IX. PHYSICAL DATA**

APPEARANCE:	Brown paste
ODOR:	Non detectable
BOILING POINT:	N/A
SPECIFIC GRAVITY:	9.1
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	N/A
SOLUBILITY IN WATER:	< 0.005%
DECOMPOSES AT:	290°C

**X. REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID: Temperatures above 250°C where decomposition can occur.

MATERIALS TO AVOID: Oxidizable materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of lead may be volatilized.

HAZARDOUS POLYMERIZATION: Will not occur.

**XI. ENVIRONMENTAL**

EPCRA Section 313:	Reportable
WASTE DISPOSAL:	Must comply with Federal, State and local laws. Lead products should be segregated and returned to smelter for reclamation.
RCRA status of unused material:	If returned to a smelter for reclamation, it does not come under RCRA regulation. Other disposal would necessitate RCRA "Hazardous Waste" designation.