




MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION			
PRODUCT NAME: Polypropylene Pellets		DATE: August 19, 2009	
PRODUCT NUMBER:		DATE: August 19, 2009	
TRADE NAME: Polypropylene Pellets GENERAL USE: Multiple Use CHEMICAL FAMILY: Polymer PRODUCT DESCRIPTION: Multi-colored plastic pellets with no odor.			
MANUFACTURER Resource Plastics, Inc.		DATE PREPARED: August 19, 2009	
TELEPHONE # (General Inquiries) 651-454-3310		FAX # 651-454-7926	
ADDRESS (NUMBER, STREET, P.O. BOX) 3365 South Highway 149		DATE PREPARED: August 19, 2009	
(CITY, STATE AND ZIP CODE) Eagan, MN 55121		SUPERSEDES: March 3, 1999	
COUNTRY USA		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS	
			
		1-800-255-3924 North America (Toll Free)	813-248-0585 International and Local Calls
SECTION 2 - HAZARDS IDENTIFICATION			
EMERGENCY OVERVIEW			
Little hazard exists from finished product under normal conditions. Small particles may represent nuisance dust hazard, and in high concentrations may represent a dust explosion hazard. Under fire conditions, irritating and/or toxic fumes may be emitted by product. Health hazards from finished product are minimal under normal conditions. Exposure to solvents may result in leaching of harmful substances. Product contains small quantities of lead, which is a proven developmental neurotoxin in children.			
Notes: This plastic product is reclaimed lead acid storage battery material, and as such may contain minor quantities of lead. This product is only for industrial use, and should not be used in the manufacture of any items that may come in contact with food or be utilized in the food industry. This product should not be used in the manufacture of products intended for children. Institutions using products with low lead levels may need to assess overall lead levels to ensure conformance to The Federal Standard for Occupational Exposure to Lead (29CFR1910.1025).			
US/CANADA HAZARD SYMBOL(S) None		EUROPEAN (GHS) HAZARD SYMBOLS None	
HMIS HAZARD RATINGS			
0 = INSIGNIFICANT, 1 = SLIGHT, 2 = MODERATE, 3 = HIGH, 4 = EXTREME,	HEALTH:	1	
	FLAMMABILITY:	0	
	PHYSICAL HAZARD:	0	
REQUIRED PERSONAL PROTECTIVE EQUIPMENT:			
HMIS (HAZARDOUS MATERIALS IDENTIFICATION SYSTEM) PERSONAL PROTECTIVE EQUIPMENT LETTER: E - (see Section 8 and pictures at right)			
<b style="color: red;">Wear safety glasses, dust respirator, and gloves during operations involving grinding or cutting of material.			
RISK PHRASES			
R20: Harmful by inhalation. R63: Possible risk of harm to the unborn child. R68: Possible risk of irreversible effects.			
SAFETY PHRASES			
S2: Keep out of the reach of children. S13: Keep away from food, drink and animal feedingstuffs. S22: Do not breathe dust. S41: In case of fire and/or explosion do not breathe fumes.			
POTENTIAL HEALTH EFFECTS			
INHALATION:			
No expected risk under normal use and handling conditions. Under fire conditions or continued exposure to elevated temperatures, irritant and/or toxic vapors/fumes may be emitted, causing dizziness, drowsiness, and light-headedness. Serious acute exposure to fumes emitted under fire conditions may cause breathing difficulties, unconsciousness, coma, and death. Lead present in dust or fumes under fire conditions represents serious toxicity hazard. Lead is also a developmental neurotoxin to children.			
SKIN:			
Little hazard exists from solid finished product under normal use and storage.			
EYES:			
Little hazard exists from solid finished product under normal use and storage, although product dust may cause eye irritation.			
INGESTION:			
Unlikely route of entry; damage from ingestion of product is much more likely to be mechanical damage to gastrointestinal tract from ingestion of product with rough and/or sharp edges. Lead may leach from ingested material, representing a special hazard to children.			
CARCINOGENICITY:			
NTP? NO		IARC MONOGRAPHS? Yes- Lead (2B)	
CALIFORNIA, Prop.65? Yes - Lead		OSHA REGULATED? NO	
		ESIS NOTATION? NO	

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Polypropylene Pellets **DATE:** August 19, 2009
PRODUCT NUMBER: **DATE:** August 19, 2009

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
POLYPROPYLENE	>99%	9003-07-0	Not referenced	NE	NE
LEAD *	<0.1%	7439-92-1	231-100-4	NE	NE

* **WARNING:** This product contains lead, a chemical known to the state of California to cause developmental toxicity.

NOTES: This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29CFR1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1997/2006/EEC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not hazardous per the OSHA Hazard Communication Standard, the Canadian Workplace Hazardous Materials Information System and European directives and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

SECTION 4 - FIRST AID MEASURES

INHALATION:

Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR. Seek emergency medical attention for cases requiring either artificial resuscitation or the administration of oxygen.

EYES:

Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation is severe or persistent, seek medical attention.

SKIN:

Wash affected area with soap and water if irritation should occur; seek medical attention in the unlikely occurrence of severe or persistent irritation.

INGESTION:

Not expected under normal conditions; if ingestion occurs, seek immediate medical attention. **DO NOT INDUCE VOMITING!**

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:

Product is not flammable, but will generate toxic fumes and smoke/soot under fire conditions. High dust concentrations may represent an explosion hazard in the presence of an ignition source; avoid generation and/or concentration of dust in air.

EXTINGUISHING MEDIA:

Choose media with respect to overall fire conditions. Water spray may be used to reduce smoke and soot levels with toxic lead oxides.

FIRE FIGHTING PROCEDURES:

Firefighting activities require NIOSH/MSHA- approved self-contained breathing apparatus and chemical fire suit.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Product may generate toxic or irritant fumes under fire conditions, and may generate heavy soot and/or smoke.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon oxides, smoke, soot, lead oxides and fumes

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

Product is a solid that may easily be gathered up and discarded if spilled. For product that is in smaller pieces, sweep up and discard. Minimize dust generation and accumulation. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid elevated temperatures, as product may deform or generate irritant or toxic fumes. Avoid organic solvents. Avoid dispersal of dust in the air. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Nonsparking tools should be used. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	EXPOSURE LIMITS
POLYPROPYLENE	None established for specific component; 15 mg/m ³ total, 5 mg/m ³ respirable as Particulates Not Otherwise Regulated (OSHA) / Particulates Not Otherwise Specified (ACGIH)
LEAD	0.05 mg/m ³ TWA (ACGIH TLV) (OSHA PEL (NIOSH REL) ; 0.15 mg/m ³ OEL (EU) ; 100 mg/m ³ IDLH (NIOSH).

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Polypropylene Pellets
PRODUCT NUMBER: _____ **DATE:** August 19, 2009

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION Continued

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Not needed for simple handling, but dust respirator must be worn during cutting and grinding operations. For emergency or fire situations, wear self-contained breathing apparatus.

PROTECTIVE GLOVES:

Kevlar impregnated gloves should be worn during operations involving the cutting or grinding of material.

EYE PROTECTION:

Safety glasses should be worn during operations involving the cutting or grinding of material.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Metal-toed boots are required if large quantities of material are handled to avoid crush injuries to toes from heavy weights.

WORK / HYGIENIC PRACTICES:

Practice safe workplace habits. Wear proper personal protective equipment. Wash hands before drinking, eating, or using tobacco. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Multi-colored plastic pellets with no odor.	VAPOR PRESSURE NA
pH NA	SPECIFIC GRAVITY (WATER = 1) 0.9
MELTING POINT 320-350 °F (160-177 °C)	SOLUBILITY IN WATER Insoluble
FLASH POINT None	VISCOSITY Solid
FLAMMABLE LIMITS LEL: None UEL: None	VAPOR DENSITY (AIR = 1) NA
AUTOIGNITION TEMPERATURE ND	EVAPORATION RATE (WATER = 1) NA
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION Not determined	

SECTION 10 - STABILITY AND REACTIVITY

STABILITY Product is stable under normal conditions.	CONDITIONS TO AVOID: Elevated temperatures,
INCOMPATIBILITY (MATERIALS TO AVOID): organic solvents, strong acids* and alkalis* * - to avoid leaching of lead from product only.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Oxides, Soot, Smoke, Hydrocarbons, Lead Oxides	
HAZARDOUS POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: None related to hazardous polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
POLYPROPYLENE	9003-07-0	>110 mg/kg (Oral, Rat)	NE
	Not referenced		
LEAD	7439-92-1	lowest published lethal dose =155 mg/kg (Oral, Human)	lowest published lethal concentration: 271 mg/m ³ (Inhalation, Human)
	231-100-4		

Notes - Lead dust and fumes are highly neurotoxic, and represent a serious hazard, especially to children. Institutions using products with low lead levels may need to assess overall lead levels to conform to The Federal Standard for Occupational Exposure to Lead (29CFR1910.1025).

SECTION 12 - ECOLOGICAL INFORMATION

No information is available. Toxicity is generally expected to be low based on insolubility in water, but presence of lead presents a potential environmental hazard. Do not discard material into environment; recycle or incinerate discarded material.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Polypropylene Pellets		DATE: August 19, 2009	
PRODUCT NUMBER:			
SECTION 13 - DISPOSAL CONSIDERATIONS			
WASTE DISPOSAL METHOD: Preferred options for disposal are (1) recycling, (2) incineration with scrubbing and energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled, but incinerator must be capable of scrubbing out acidic combustion products and lead oxides. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.			
SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Not regulated for transport			
DOT HAZARD CLASS / Pack Group: None		IATA HAZARD CLASS / Pack Group: None	
REFERENCE: 29CFR, 49CFR		IMDG HAZARD CLASS: None	
UN / NA IDENTIFICATION NUMBER: None		RID/ADR Dangerous Goods Code: None	
LABEL: None		UN TDG Class / Pack Group: None	
HAZARD SYMBOLS: None		Hazard Identification Number (HIN): None	
Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.			
SECTION 15 - REGULATORY INFORMATION			
TSCA (USA - Toxic Substance Control Act):		Components are listed.	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health:	Yes*	Chronic Health:	Yes*
Fire:	NO	Sudden Release of Pressure:	NO
Reactive:	NO	* - Due to lead exposure as dust or fumes only.	
SARA 313 REPORTABLE INGREDIENTS: Reportable as less than 0.1% lead (CAS # 7439-92-1).			
CERCLA (USA - Comprehensive Response Compensation and Liability Act):		Lead (CAS #7439-92-1).	
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: WARNING: This product contains lead, a chemical known to the state of California to cause developmental toxicity.			
US State Right to Know Laws: Lead (CAS #7439-92-1) - listed in CA, PA, RI.			
CPR (Canadian Controlled Products Regulations): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. WHMIS Hazard Classes : None for Finished product.			
IDL (Canadian Ingredient Disclosure List):		Lead (CAS #7439-92-1) is on the CIDL.	
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):		Listed on CDSL	
EINECS (European Inventory of Existing Commercial Chemical Substances):		Referenced.	
EU RISK PHRASES			
R20: Harmful by inhalation.			
R63: Possible risk of harm to the unborn child.			
R68: Possible risk of irreversible effects.			
EU SAFETY PHRASES			
S2: Keep out of the reach of children.			
S13: Keep away from food, drink and animal feedingstuffs.			
S22: Do not breathe dust.			
S41: In case of fire and/or explosion do not breathe fumes.			
EU HAZARD SYMBOLS		NONE	
WGK Water Quality Index:		3 (Lead), 1 (Total Product)	

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Polypropylene Pellets
PRODUCT NUMBER: **DATE:** August 19, 2009

SECTION 16 - OTHER INFORMATION

Legend:

ACGIH - American Congress of Government Industrial Hygienists
CAS - Chemical Abstracts Service
EINECS- European Inventory of Existing Commercial Chemical Substances
HMIS - Hazardous Materials Identification System
IARC - International Agency for Research on Cancer
NA - Not Available ND - Not Determined
NE - Not Established NR - Not Reported
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration

Note: Institutions using products may need to assess overall lead levels to conform to The Federal Standard for Occupational Exposure to Lead (29CFR1910.1025). Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

REVISION SUMMARY: Revised 8/19/2009 to US, Canada, and EEC/EU specifications (GHS Compliant). LB

MSDS Prepared by:

ChemTel Inc.
1305 North Florida Avenue
Tampa, Florida USA 33602-2902
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
Website: www.chemtelinc.com



The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.