



# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

Product Name ..... **RUST ELIMINATOR**  
 Product Code ..... Z300616  
 Manufacturer ..... ZIEBART INTERNATIONAL CORP.  
 Address ..... 1290 East Maple Rd. P.O. Box 1290, Troy, MI 48007  
 Transportation Emergency ..... CHEMTREC: (800) 424-9300 (Operation time: 24 hrs)  
 Use of substance/mixture ..... RUST ELIMINATOR

**5 gallon Z300605**  
**55 gallon Z300616**

## SECTION 2 - HAZARD(S) IDENTIFICATION

GHS Classification: IRRITANT

GHS Label:



Signal Word: WARNING

Hazard statement(s): H226 - FLAMMABLE LIQUID AND VAPOUR  
 H315 - CAUSES SKIN IRRITATION  
 H320 - CAUSES EYE IRRITATION

Precautionary statement(s): P210 - KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. -- NO SMOKING  
 P220 - DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.  
 P264 - WASH HANDS THOROUGHLY AFTER HANDLING  
 P281 - USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED

Response: P301 + P310 + P330 + P331 - IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.  
 RINSE MOUTH. DO NOT INDUCE VOMITING.  
 P303 + P361 + P353 - IF ON SKIN: GENTLY WASH WITH PLENTY OF SOAP AND WATER.  
 P304 + P340 - IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION  
 COMFORTABLE FOR BREATHING.  
 P305 + P351 + P338 + P310 - IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE  
 CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.  
 P381 - ELIMINATE ALL IGNITION SOURCES IF SAFE TO DO SO.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S. REGISTRY NO.	%	TLV, PEL, OTHER LIMITS
ETHYLENE GLYCOL	107-21-1	3-7	PEL=100 PPM, TLV=100 PPM
ISOPROPYL ALCOHOL	67-63-0	3-7	PEL=400 PPM, TLV=400 PPM
PHOSPHORIC ACID	7664-38-2	1-5	PEL=1 PPM, TLV=1 PPM
ETHYLENE GLYCOL BUTYL ETHER	111-76-2	1-5	PEL=25 PPM, TLV=25 PPM

## SECTION 4 - FIRST AID MEASURES

Inhalation: IF IRRITATION OCCURS, REMOVE TO FRESH AIR. GET MEDICAL IMMEDIATELY.  
 GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING.  
 Ingestion: DO NOT INDUCE VOMITING, DILUTE WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.  
 Skin: REMOVE ANY CONTAMINATED CLOTHING. THOROUGHLY WASH AREA WITH MILD SOAP AND WATER. GET  
 MEDICAL ATTENTION IF IRRITATION OCCURS. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.  
 Eyes: FLUSH WITH WATER, IMMEDIATELY, FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS  
 OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION IF IRRITATION PERSISTS.

## SECTION 5 - FIRE FIGHTING MEASURES

Flash Point ..... 140 F, TCC  
 Flammable Limits ..... LEL 2.0%, UEL 12.0%  
 Extinguishing Media ..... USE WATER SPRAY, DRY CHEMICAL, CO2, OR ALCOHOL FOAM.  
 Special Fire Fighting Procedures ..... WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE  
 PRESSURE DEMAND MODE WHEN FIGHTING FIRES.  
 Unusual Fire and Explosion Hazards ..... NONE KNOWN

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills: ELIMINATE IGNITION SOURCES. SPILLS SHOULD BE PREVENTED FROM ENTERING DRAINS, SEWERS, STREAMS AND  
 ANY OPEN OR PUBLIC BODY OF WATER. ABSORB WITH VERMICULITE OR OTHER ABSORBANT. PUT IN PROPER  
 CONTAINER FOR DISPOSAL IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

## SECTION 7 - HANDLING AND STORAGE

Handling And Storage Precautions ..... KEEP FROM EXTREME TEMPERATURES. KEEP EMPTY CONTAINERS AWAY FROM SPARKS AND OPEN FLAMES.  
 FOLLOW COMMON SENSE HYGIENE AND HANDLING PRACTICES. KEEP IN A CLOSED CONTAINER WHEN NOT IN USE.  
 WASH THOROUGHLY AFTER USE.  
 Other Precautions ..... ROTATE STOCK. DO NOT RE-USE EMPTY CONTAINERS. EMPTY CONTAINERS CAN HAVE RESIDUES, GASES  
 AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

**SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION**

Respiratory Protection .....	IF TLV IS EXCEEDED, WEAR A NIOSH/OSHA APPROVED AIR SUPPLIED RESPIRATOR OR EQUIVALENT.
Local Exhaust Ventilation .....	SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL) VENTILATION RECOMMENDED TO MAINTAIN EXPOSURE BELOW TLV.
Mechanical Ventilation .....	SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL) VENTILATION RECOMMENDED TO MAINTAIN EXPOSURE BELOW TLV.
Protective Gloves .....	WEAR CHEMICALLY RESISTANT GLOVES SUCH AS POLYETHYLENE.
Eye Protection .....	CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES RECOMMENDED. AVOID EYE CONTACT
Other Protective Equipment .....	WEAR IMPERVIOUS CLOTHING AND BOOTS TO PREVENT PROLONGED OR REPEATED SKIN CONTACT. APRON RECOMMENDED. EYE-WASH AVAILABLE IN CASE OF ACCIDENT IS RECOMMENDED.

**SECTION 9 - PHYSICAL DATA**

Appearance .....	Clear to hazy dark amber	% Solids .....	40-60
Odor .....	Alcoholic	Vapor Pressure .....	<31 mm Hg
Specific Gravity .....	1.00 - 1.10	Vapor Density .....	>1, AIR=1
pH .....	3-4	Relative Density .....	Not available
Freezing Point .....	Not available	Solubility(ies) .....	Moderately Soluble
Boiling Point .....	>212°F (210-279°C)	Partition Coefficient (LogKow) .....	Not available
Flash Point .....	140°F (60°C)	Auto-ignition Temperature .....	Not available
Evaporation Rate .....	>1, BuAc =1	Decomposition Temperature .....	Not available
Flammability .....	Not available	Viscosity .....	Not available
Upper/lower Flammability .....	Lower=2.0%, Upper=12.0%	% Volatiles .....	50-60, as water

**SECTION 10 - STABILITY AND REACTIVITY**

Reactivity .....	NO SPECIFIC TEST DATA AVAILABLE FOR THIS PRODUCT. REFER TO CONDITIONS TO AVOID AND INCOMPATIBLE MATERIALS FOR ADDITIONAL INFORMATION.
Stability .....	STABLE
Incompatible Materials .....	AVOID STRONG OXIDIZING AGENTS, ACETALDEHYDE, CHLORINE, ETHYLENE OXIDE, AND SOFT METALS
Conditions to Avoid .....	AVOID HEAT, SPARKS, AND OPEN FLAMES.
Hazardous Polymerization .....	WILL NOT OCCUR.
Hazardous Decomposition Products .....	OXIDES OF CARBON AND NITROGEN

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Likely routes of exposure .....

Dermal, Inhalation

**Potential acute health effects**

Eye contact .....	May cause transient eye irritation with pain and redness.
Inhalation .....	Prolonged breathing of vapors may cause respiratory tract irritation.
Skin contact .....	Prolonged contact can cause skin irritation
Ingestion .....	Ingesting large amounts may cause irritation of the gastrointestinal tract, nausea and vomiting.

**Potential chronic health effects**

General .....	No known significant effects or critical hazards.
Carcinogenicity .....	No known significant effects or critical hazards.
Mutagenicity .....	No known significant effects or critical hazards.
Teratogenicity .....	No known significant effects or critical hazards.
Developmental effects .....	No known significant effects or critical hazards.
Fertility effects .....	No known significant effects or critical hazards.

FROM THE AVAILABLE TOXICOLOGICAL DATA ON THE INGREDIENTS USED IN THIS PRODUCT, THE PROJECTED TOXICOLOGICAL DATA FOR  
THIS FINISHED PRODUCT IS:

ORAL LD50 (RAT) - >3000 mg/kg, PRACTICALLY NON-TOXIC; DERMAL LD50 (RABBIT) - >4000 mg/kg, PRACTICALLY NON-TOXIC

**SECTION 12 - ECOLOGICAL INFORMATION**

NO DATA AVAILABLE

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Waste Disposal Method .....	SPILLED MATERIAL SHOULD BE DISCARDED AS DESCRIBED ABOVE, OBSERVING ALL LOCAL, STATE, AND FEDERAL GOVERNMENTAL REGULATIONS THAT APPLY TO SPILL REPORTING AND WASTE DISPOSAL.
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**SECTION 14 - TRANSPORT INFORMATION**

DOMESTIC GROUND AND CANADA:

NA1993, Combustible Liquid, N.O.S. (Isopropyl Alcohol <7%, Ethylene Glycol <7%) Combustible Liquid, PG III

No Labels Required

INTERNATIONAL OCEAN AND AIR:

UN1993, Flammable Liquid, N.O.S. (Isopropyl Alcohol <7%, Ethylene Glycol <7%) 3, PG III

Flammable 3 Label Required

**SECTION 15 - REGULATORY INFORMATION**

U.S. TSCA .....	ALL COMPONENTS ARE ON THE TSCA INVENTORY.
SARA Title III, Section 313 .....	NONE

**SECTION 16 - OTHER INFORMATION**

NFPA RATINGS .....	HEALTH - 2	FLAMMABILITY - 2	REACTIVITY - 0
DATE OF ISSUE .....	2/14/2015		