

Date: January 30, 2015

Supersedes Date: May 2012 OSHA HCS-2012 / GHS

Section 1:			IDENTIFICATION	
Product Name:			Rust-Ex Heavy Duty Rust Remover	
Additional Names:			None	
Manufacturer's Part Number:			80-1022 and 80-1021	
Recommended Use:			Rust removal	
Restrictions on Use:			None known	
Company:		Kimball Midwest 4800 Roberts Road Columbus, OH 43228	Telephone:	800-233-1294
Fax:			479.927.3202	
Email:				
Emergency Phone:			Chemtrec 800-424-9300	
Section 2:			HAZARDS IDENTIFICATION	
This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).				
<i>OSHA HCS 2012</i>				
<i>Label Elements</i>				
Signal Word:		None	Hazard Symbol(s)/Pictogram(s):	
Hazard Statements: None			None required	
Precautionary Statements: None				
Hazards Not Otherwise Classified (HNOC): None				
Other Information: None Known				
Section 3:			COMPOSITION/INFORMATION ON INGREDIENTS	
Ingredient		CAS Number	Percent Range	
Water		7732-18-5	> 83% *	
Proprietary non-hazardous chelating agent		Proprietary	< 16% *	
Proprietary non-hazardous detergent		Proprietary	< 1% *	
			*specific percentages of composition are being withheld as a trade secret	
Section 4:			FIRST-AID MEASURES	
Inhalation:			Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.	
Skin Contact:			Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.	
Eye Contact:			Not expected to cause eye irritation. If adverse effect occurs, flush eyes with water.	
Ingestion:			May cause upset stomach. Drink plenty of water to dilute. See section 11.	
Most Important Symptoms/Effects, Acute and Delayed:			None known.	
Indication of Immediate Medical Attention and Special Treatment Needed, if necessary: Treat symptomatically				

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Section 5:		FIRE-FIGHTING MEASURES				
Suitable & Unsuitable Extinguishing Media:		Use Dry chemical, CO2, water spray or “alcohol” foam. Avoid high volume jet water.				
Specific Hazards Arising from Chemical:		In event of fire, fire created carbon oxides may be formed.				
Special Protective Actions for Fire-Fighters:		Wear positive pressure self-contained breathing apparatus and full protective clothing.				
		This product is non-flammable. See Section 9 for Physical Properties.				
Section 6:		ACCIDENTAL RELEASE MEASURES				
Personal Precautions, Protective Equipment and Emergency Procedures:						
For non-emergency personnel: See section 8 – personal protection.						
Environmental Precautions: Do not allow into open waterways and ground water systems.						
Methods and Materials for Containment and Clean Up: Dike or soak up with inert absorbent material. See section 13 for disposal considerations.						
Section 7:		HANDLING AND STORAGE				
Precautions for Safe Handling: Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.						
Conditions for Safe Storage including Incompatibilities: Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 95°F (35°C) or freezing temperatures.						
Section 8:		EXPOSURE CONTROLS / PERSONAL PROTECTION				
Exposure Limit Values:		No components listed with TWA or STEL values under OSHA or ACGIH.				
Appropriate Engineering Controls:		Showers, eyewash stations, ventilation systems				
Individual Protection Measures / Personal Protective Equipment (PPE)						
Eye Contact:		Use protective glasses or safety goggles if splashing or spray-back is likely.				
Respiratory:		Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.				
Skin Contact:		Use protective gloves (any material) when used for prolonged periods or dermally sensitive.				
General Hygiene Considerations:		Wash thoroughly after handling and before eating or drinking.				
Section 9:		PHYSICAL AND CHEMICAL PROPERTIES				
Appearance:		Clear to yellow liquid	Partition Coefficient: n-octanol/water:		Not determined	
Odor:		slight	Autoignition Temperature:		Non-flammable	
Odor Threshold:		Not determined	Decomposition Temperature:		95°F	
pH:		6.0 – 7.0	Viscosity:		Like water	
Freezing Point:		0°C (32°F)	Specific Gravity:		1.04	
Boiling Point & Range:		101°C (213.8°F)	VOCs:		0.0	
Flash Point:		> 212°F	SCAQMD 304-91 / EPA 24:		Not tested	
Evaporation Rate:		As water	CARB Method 310**:	1.2 g/L	0.010 lb/gal 0.12%	
Flammability (solid, gas):		Not applicable	SCAQMD Method 313:			
Upper/Lower Flammability		Not applicable	VOC Composite Partial Pressure:			
Vapor Pressure:		Not determined	Relative Density:			
Vapor Density:		Not determined	Solubility:			
			100% in water			

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Section 10:		STABILITY AND REACTIVITY	
Reactivity:		Non-reactive.	
Chemical Stability:		Stable under normal conditions 70° F (21° C) and 14.7 psig (760 mmHg).	
Possibility of Hazardous Reactions:		None known.	
Conditions to Avoid:		Excessive heat or cold.	
Incompatible Materials:		Do not mix with oxidizers, acids, bathroom cleaners, or disinfecting agents.	
Hazardous Decomposition Products:		Normal products of combustion - CO, CO2.	
Section 11:		TOXICOLOGICAL INFORMATION	
Likely Routes of Exposure:		Inhalation -	Not expected to cause irritation
Skin Contact -			Not expected to cause irritation, repeated contact may cause dry skin.
Eye Contact -			Not expected to cause irritation.
Ingestion -			May cause upset stomach.
Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions.			
Delayed and immediate effects and or chronic effects from short term exposure: no symptoms expected under typical use conditions.			
Delayed and immediate effects and or chronic effects from long term exposure: headache, dry skin, or skin irritation may occur.			
Acute Toxicity:		Oral LD ₅₀ (rat)	Dermal LD ₅₀ (rabbit) > 5 g/kg body weight
Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals			
Skin Corrosion/Irritation:		Non-irritant per Dermal Irritation® assay modeling.	
Eye Damage/Irritation:		Non-irritant per Ocular Irritation® assay modeling (GHS Eye Category 2B).	
Germ Cell Mutagenicity:		Mixture does not classify under this category.	
Carcinogenicity:		Mixture does not classify under this category.	
Reproductive Toxicity:		Mixture does not classify under this category.	
STOT-Single Exposure:		Mixture does not classify under this category.	
STOT-Repeated Exposure:		Mixture does not classify under this category.	
Aspiration Hazard:		Mixture does not classify under this category.	
Section 12:		ECOLOGICAL INFORMATION	
Ecotoxicity:		Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System	
Aquatic:		Not tested on finished formulation.	
Terrestrial:		Not tested on finished formulation.	
Persistence and Degradability:		Readily Biodegradable based on biodegradation profile of ingredients	
Bioaccumulative Potential:		No data available.	
Mobility in Soil:		No data available.	
Other Adverse Effects:		No data available.	
Section 13:		DISPOSAL CONSIDERATIONS	
Unused or Used Liquid:		check with local, regional, and or national regulations for appropriate methods of disposal.	

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Section 13:		DISPOSAL CONSIDERATIONS - continued	
Empty Containers: May be offered for recycling.			
Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.			
Section 14:		TRANSPORT INFORMATION	
U.N. Number:	Not applicable	U.N. Proper Shipping Name:	Cleaning Compound, Liquid NOI
Transport Hazard Class(es):	Not applicable	NMFC Number:	48580-3
Packing Group:	Not applicable	Class:	55
Environmental Hazards:		Marine Pollutant - NO	
Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code):		Unknown.	
Special precautions which user needs to be aware of/comply with, in connection with transport or conveyance either within or outside their premises:		None known.	
U.S. (DOT) / Canadian TDG:	Not Regulated for shipping.	ICAO/ IATA:	Not classified as Hazardous
IMO / IDMG:	Not classified as Hazardous	ADR/RID:	Not classified as Hazardous
Section 15:		REGULATORY INFORMATION	
All components are listed on:		TSCA and DSL Inventory.	
SARA Title III:		Sections 311/312 Hazard Categories – Not applicable.	
Sections 313 Superfunds Amendments and Reauthorizations Act of 1986 – Not applicable.			
Sections 302 – Not applicable.			
Clean Air Act (CAA):	Not applicable		
Clean Water Act (CWA):	Not applicable		
CERCLA:	Not applicable		
State Right To Know Lists:	No ingredients listed		
California Proposition 65:	No ingredients listed		
Section 16:		OTHER INFORMATION	
Size	Item Number	UPC	
32 oz Silver		899303000325	
32 oz Silver Canada		899303002329	
128 oz (1 gal) Canada		899303002015	
128 oz (1 gal)		899303000011	
3.5 gal with strainer		899303000042	
3.5 gal with strainer french		899303000035	
5 gal		899303000059	
55 gal		899303000554	
275 gal tote		NA	
330 gallon tote		NA	

Section 16: continued	OTHER INFORMATION
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National Stock Numbers (NSN's)

4 x 1 Gallon Case:	6850-01-498-3625

DISCLAIMER: The information provided with this SDS is furnished in good faith and without warranty of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. The supplier assumes no additional liability or responsibility resulting from the use of, or reliance on this information.