



MATERIAL SAFETY DATA SHEET

One-Step Rail Car Cleaner™

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EMERGENCY NUMBERS:
 PERS 800-633-8253
CUSTOMER SERVICE:
 303-292-0595

SECTION 1 - IDENTIFICATION

Product Name: One-Step Rail Car Cleaner
Product Description: General Purpose, Heavy-Duty Cleaner/Degreaser.
Chemical Name: Mixture
Chemical Family: Moderately alkaline aqueous solution.
Formula: Mixture
CAS Registry: Mixture
DOT Identification No.: Not regulated
DOT Shipping Name: Not regulated

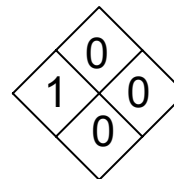
SECTION 2 - TYPICAL COMPOSITION

<u>MATERIAL</u>	<u>CAS No</u>	<u>% WT</u>	<u>OSHA PEL</u>
Disodium Tetraborate	1330-43-4	0-2%	10 Mg/M (Osha Twa For Pentahydrate Dust)
Sodium Metasilicate	6834-92-0	0-2%	None established
Ethylene Diamine Tetraacetic Acid (Tetra Sodium Salt)	13235-36-4	1-3%	None established
Water	7732-18-5	75-85%	
Proprietary Non-Hazardous Ingredients	Not applicable	5-10%	Not applicable

SECTION 3 - HMIS RATINGS

Health: 1
Flammability: 0
Reactivity: 0
Special: 0

NFPA



0 = minimal 1= slight 2=moderate 3= serious 4= severe

SECTION 4 – PHYSICAL DATA

Appearance and odor:	Clear, liquid with no significant odor.
Boiling Point (760 mm Hg):	220°F _{±2°}
Specific Gravity (water =1):	1.028-1.040
Vapor Density (air =1):	<1
Percent Volatile by Volume:	NIL
Evaporation Rate (butyl acetate =1):	<1
Solubility in Water (% by wt):	100%
Vapor Pressure (at 20°C):	20mm Hg.
pH:	9.0-10.0

SECTION 5 – HEALTH HAZARD DATA

Route(s) of Entry	
Inhalation:	May cause minor irritation of respiratory system.
Skin:	May cause minor skin irritation with some individuals susceptible to sensitization.
Ingestion:	May cause some discomfort and diarrhea.
Eyes:	May cause minor irritation of eyes in some individuals.
Effects of overexposure:	Acute: Minor irritant to eyes. Chronic: None known.
Signs and Symptoms of Exposure:	Minor eye or skin irritation may occur with some people.
Medical Conditions Generally Aggravated by Exposure:	None expected.
Carcinogenicity	
NTP:	None known
IARC Monographs:	None known
OSHA Regulations:	None known
ACGIH	None known
Emergency and First Aid Procedures:	
	Eye contact: If product contacts eyes, flush immediately with water for several minutes.
	Skin contact: If product contacts skin, rinse with water within a reasonable period of time.
	Ingestion: If product is ingested, drink several glasses of water. Do not induce vomiting. Consult a physician.
	Inhalation: If product is inhaled, remove to fresh air. Obtain medical attention.

SECTION 6 – FIRE AND EXPLOSION HAZARD DATA

Flash Point:	Not applicable
Autoignition Temperature:	Not available
Flammable limits in air (% by volume):	Not applicable
Special Fire Fighting procedures:	Not required

SECTION 7 – REACTIVITY DATA

Stability:	Stable
Incompatibility:	None
Hazardous decomposition products:	Will not occur
Hazardous polymerization:	None

SECTION 8 – SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:	Recover usable material by convenient method; residual may be removed by wipe or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water.
Waste disposal method:	Sanitary landfill or incinerate in approved facilities in accordance with local, state and federal regulations.

SECTION 9 – PERSONAL PROTECTION INFORMATION

Ventilation:	Local exhaust is recommended.
Protective gloves:	Where skin contact may occur, chemical-imperious gloves should be worn; rinse completely if skin contact occurs.
Eye protection:	Caution, including reasonable eye protection, should always be used to avoid eye contact where splashing may occur.
Work and Hygienic Practices:	Keep away from children and pets, and wear proper protective equipment including glasses, goggles, impermeable suit or apron, chemically resistant shoes and rubber or neoprene gloves.

SECTION 10 – GENERAL COMMENTS

THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

CONSULT ADDITIVES INC. FOR FURTHER INFORMATION.