



FLEETCLEAN SYSTEMS LLC

SAFETY DATA SHEET - 16 SECTIONS


SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier # 2B READY TO USE		[WHMIS Classification]	
Product Use HARD SURFACE CLEANER			
Manufacturer's Name FLEETCLEAN SYSTEMS LLC		Supplier's Name SAME	
Street Address 1 TUPPERWARE DR, SUITE 3		Street Address	
City NORTH SMITHFIELD	State RI	City	State
Postal Code 02896	Emergency Telephone 800-535-5053	Postal Code	Emergency Telephone
Date MSDS Prepared 09/18/18	MSDS Prepared By FLEETCLEAN SYSTEMS LLC	Office Phone Number (401) 356-4156	

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species and route)
SODIUM HYDROXIDE	2-3	1310-73-2		
TRISODIUM NITRILOTRIACETATE	1-2	1310-73-2		



SECTION 3 - HAZARDS IDENTIFICATION

	Routes of Entry <input checked="" type="checkbox"/> SKIN CONTACT <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION				
	[Emergency Overview] WHMIS Symbols Potential Health Risks THE MATERIALS IN THIS PRODUCT ARE NOT LISTED IN THE TSCA INVENTORY AS CARCINOGENIC BY IARC, OSHA, ACGIH, OR NPT				

Please continue on reverse side

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SECTION 4 - FIRST AID MEASURES

	<p>Skin Contact</p> <p>FLUSH WITH COOL WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.</p>
	<p>Eye Contact</p> <p>IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. HOLDING EYELIDS APART TO ENSURE FLUSHING OF THE ENTIRE EYE SURFACE. GET IMMEDIATE MEDICAL ATTENTION.</p>
<p>Inhalation</p> <p>REMOVE PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. GET IMMEDIATE MEDICAL ATTENTION.</p>	
<p>Ingestion</p> <p>DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. IF AVAILABLE, GIVE SEVERAL GLASSES OF MILK. GET IMMEDIATE MEDICAL ATTENTION</p>	


SECTION 5 - FIRE FIGHTING MEASURES

<p>Flammable</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>	<p>If yes, under which conditions?</p>	
<p>Means of extinction</p>		
<p>Flashpoint (*C) and method</p>	<p>Upper Flammable Limit (% by volume)</p>	<p>Lower Flammable Limit(% by volume)</p>
<p>Autoignition Temperature (*C)</p>	<p>Explosion Data - Sensitivity to impact</p>	<p>Explosion Data - Sensitivity to Static Discharge</p>
<p>Hazardous Combustion Products</p>		
<p>[NFPA]</p>		

SECTION 6 - ACCIDENTAL RELEASE MEASURES

<p>Leaks and Spill Procedures</p> 	<p>LEAKS SHOULD BE STOPPED. SPILLS SHOULD BE CONTAINED AND CLEANED UP IMMEDIATELY. NEUTRALIZE WITH LIME SLURRY OR SODA ASH. THE SPILL AREA SHOULD THEN BE FLUSHED WITH WATER FOLLOWED BY LIBERAL COVERING OF SODIUM BICARBONATE. PERSONS PERFORMING CLEAN-UP SHOULD WEAR ADEQUATE PROTECTIVE CLOTHING AND EQUIPMENT.</p>
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SECTION 7 - HANDLING AND STORAGE

<p>Handling Procedures and Equipment</p> 	<p>DO NOT GET IN EYES, ON SKIN, AND ON CLOTHING. DO NOT TAKE INTERNALLY. USE WITH ADEQUATE VENTILATION. WHEN EXPOSED TO CONCENTRATED VAPORS IN A CONFINED AREA, USE OF RESPIRATORY PROTECTION MAY BE NECESSARY. WHEN HANDLING, WEAR CHEMICAL SPLASH GOOGLES AND RUBBER GLOVES. WASH THOROUGHLY AFTER HANDLING, AS EXPOSURE CAN CAUSE BURNS WHICH ARE NOT IMMEDIATELY PAINFUL OR VISIBLE. KEEP CONTAINERS TIGHTLY CLOSED.</p>
<p>Storage Requirements</p> <p>STORE IN A COOL DRY LOCATION AWAY FROM INCOMPATIBLE MATERIALS</p>	

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SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits ACGIH TLV OSHA PEL Other (specify)

Specific Engineering Controls (such as ventilation, enclosed process)

Personal Protective Equipment

 GLOVES
  RESPIRATOR
  EYE
  FOOTWARE
  CLOTHING
 OTHER

If checked, please specify type

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES



Physical State SOLUBILITY IN WATER	Odor and Appearance BROWN LIQUID, MILD CAUSTIC ODOR	Odor Threshold (ppm) (MMHG)
Specific Gravity 1.0009 to 1.02	Vapor Density (Air=1) ND	Vapor Pressure (mmHg) APPROXIMATELY 110 MM HG @20C
Evaporation Rate NONE	Boiling Point (*C) 68	Freezing Point (*C) 0
PH 11	Coefficient of Water/Oil Distribution COMPLETE	Solubility in water COMPLETE

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability YES NO **If no, under which conditions?**

Incompatibility with Other substances YES NO **If yes, which ones?**

STORAGE IN ALUMINUM, ZINC, AND MOST METALS WHICH YEILD HYDROGEN GAS, A FIRE AND EXPLOSIVE HAZARD

Reactivity, and under which conditions?

Hazardous Decomposition Products

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SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of acute exposure	
THE MATERIALS IN THIS PRODUCT ARE NOT LISTED IN THE TSCA INVENTORY AS CARCINOGENIC BY NTP, OSHA, OR ACGIH	
Effects of chronic exposure	
THE MATERIALS IN THIS PRODUCT ARE NOT LISTED IN THE TSCA INVENTORY AS CARCINOGENIC BY NTP, OSHA, OR ACGIH	
Irritancy of product	
Skin sensitization	Respiratory sensitization
Carcinogenicity - IARC	Carcinogenicity - ACGIH
Reproductive toxicity	Teratogenicity
Embrototoxicity	Mutagenicity
Name of synergistic products/effects	

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity
NON TOXIC

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal
TREAT TO DISPOSE OF ACCORDING TO REGULATIONS UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT AS ADMINISTERED BY THE U.S. FEDERAL EPA OR APPROPRIATE STATE AGENCY.
KEEP PRODUCT OUT OF STORM SEWER OR SANITARY SEWER.

SECTION 14 - TRANSIT INFORMATION

Special Shipping Information		PIN
ALKALINE DETERGENT CLEANER. DOT PROPER SHIPPING NAME: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.		
CONTAINS POTASIUUM HYDROXIDE AND BUTYL CELLUSOLVE. UN3266, 11 E.R.G., #60 CORROSIVE		
TDG	DOT	
CHEMICAL CLASS: INORGANIC ACID CLEANING	CORROSIVE, 8, UN3266	
IMO	CAO	
REPORTABLE QUANTITY IN SPILL 1375 GALLONS	HAZARD DATA	PEL: 3PPM TLV: 3PPM

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SECTION 15 - REGULATORY INFORMATION

WHMIS Classification	OSHA
THE SUBSTANCE IS CLASSIFIED AND LABELED ACCORDING TO THE GHS 9 STANDARD	
SERA	TSCA
<i>THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY CPR.</i>	

SECTION 16 - OTHER INFORMATION**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL – Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS – Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC – International Agency for Research on Cancer; IATA - International Air Transport Association; IBC – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 – Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL – No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP – National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB – Very Persistent and Very Bioaccumulative

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