



FLEETCLEAN SYSTEMS LLC

SAFETY DATA SHEET - 16 SECTIONS

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier # 2A DEGREASER 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 <i>(specify species and route)</i>	LC ₅₀ of Ingredient <i>(specify species and route)</i>
POTASSIUM HYDROXIDE	2-5	1310-56-3		
BUTYL CELLUSOLVE	LESS THAN 1			
TETRA SODIUM ETHYLENE DIAMINE TETRA ACETATE	1-2			



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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]					
Skin: LIQUID AND VAPOR CAN CAUSE SEVERE BURNS WHICH MAY NOT BE IMMEDIATELY PAINFUL OR VISIBLES					
Eyes: BOTH LIQUID AND VAPOR CAN CAUSE IRRITATION AND CORNEA BURNS					
Inhalation: AIRBORNE CONCENTRATION OF MIST OR SPRAY CAN IRRITATE THROAT AND RESPIRATORY SYSTEM					
Ingestion: CAN CAUSE SEVERE MOUTH, THROAT, AND STOMACH BURNS					
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					

SECTION 4 - FIRST AID MEASURES

	Skin Contact FLUSH WITH COOL WATER AND UNDER NAILS FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND FOOTWARE. GET IMMEDIATE MEDICAL ATTENTION.
	Eye Contact IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF COOL WATER FOR 15 MINUTES. HOLDING EYELIDS APART TO ENSURE FLUSHING OF THE ENTIRE EYE SURFACE. GET IMMEDIATE MEDICAL ATTENTION.
Inhalation REMOVE PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. KEEP PERSON LAYING DOWN, QUIET AND WARM. GET IMMEDIATE MEDICAL ATTENTION.	
Ingestion DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. IF AVAILABLE, GIVE SEVERAL GLASSES OF MILK. GET IMMEDIATE MEDICAL ATTENTION	

SECTION 5 - FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		If yes, under which conditions?
Means of extinction THE PRODUCT IS NOT COMBUSTIBLE. PROTECTIVE CLOTHING AND PRESSURE DEMAN, SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN BY FIREFIGHTERS IN AREAS WHERE PRODUCT IS STORED.		
Flashpoint (*C) and method NON FLAMMABLE	Upper Flammable Limit (% by volume) N/A	Lower Flammable Limit(% by volume) N/A
Autoignition Temperature (*C) N/A	Explosion Data - Sensitivity to impact N/A	Explosion Data - Sensitivity to Static Discharge N/A
Hazardous Combustion Products		
[NFPA]		

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Leaks and Spill Procedures



LEAKS SHOULD BE STOPPED. SPILLS SHOULD BE CONTAINED AND CLEANED UP IMMEDIATELY. NEUTRALIZE WITH ANY DILUTED INORGANIC ACID. 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.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures and Equipment



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 GOGGLES AND RUBBER GLOVES. WASH THOROUGHLY AFTER HANDLING, AS EXPOSURE CAN CAUSE BURNS WHICH ARE NOT IMMEDIATELY PAINFUL OR VISIBLE. KEEP CONTAINERS TIGHTLY CLOSED.

Storage Requirements

STORE IN A COOL DRY LOCATION AWAY FROM INCOMPATIBLE MATERIALS

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits

ACGIH TLV OSHA PEL Other (specify)

Specific Engineering Controls (such as ventilation, enclosed process)



LOCAL EXHAUST SUFFICIENT TO REDUCE VAPOR AND ACID MIST BELOW PERMISSIBLE TLV LEVELS

Personal Protective Equipment



GLOVES



RESPIRATOR



EYE



FOOTWARE



CLOTHING

OTHER

If checked, please specify type



SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor and Appearance	Odor Threshold (ppm)
SOLUBILITY IN WATER	CLEAR LIQUID, STRONG CAUSTIC ODOR	(MMHG)
Specific Gravity	Vapor Density (Air=1) ND	Vapor Pressure (mmHg)
1.02 to 1.04	ND	ND
Evaporation Rate	Boiling Point (*C)	Freezing Point (* C)
NONE	68	0
PH	Coefficient of Water/Oil Distribution	Solubility in water
12.8	COMPLETE	COMPLETE

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SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability	If no, under which conditions?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Incompatibility with Other substances	If yes, which ones?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	STORAGE IN ALUMINUM, ZINC, AND MOST METALS WHICH YEILD HYDROGEN GAS, A FIRE AND EXPLOSIVE HAZARD
	 
Reactivity, and under which conditions?	
PRODUCT IS NOT KNOWN TO POLYMERIZE	
Hazardous Decomposition Products	
NONE	

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	

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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 AND LOCAL AGENCY.

KEEP PRODUCT OUT OF STORM SEWER OR SANITARY SEWER.

SECTION 14 - TRANSIT INFORMATION**Special Shipping Information**

PIN

ALKALINE DETERGENT CLEANER, LIQUID. CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

CONTAINS POTASIUUM HYDROXIDE AND BUTYL CELLUSOLVE. UN3266, 11 E.R.G., #60
CORROSIVE 8**TDG**

CHEMICAL CLASS: INORGANIC ACID CLEANING

DOT

CORROSIVE, 8, UN3266

IMO

REPORTABLE QUANTITY IN SPILL 1375 GALLONS

CAO

HAZARD DATA PEL: NONE EST. TLV: 2 MG/M3

SECTION 15 - REGULATORY INFORMATION**WHMIS Classification**THE SUBSTANCE IS CLASSIFIED AND LABELED
ACCORDING TO THE GHS 9 STANDARD**OSHA****SERA****TSCA***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.*

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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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Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from Fleetclean's office.

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