



MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION		
TRADE NAME :	WASHBAY DESCALER	CHEMICAL ABSTRACT No :
CHEMICAL FAMILY	DETERGENT	NOISH No :
CHEMICAL NAME :	HYDROFLUORIC ACID	HAZCHEM CODE: 6iii
SYNONYMS :	SIN No : 2369	
2. COMPOSITION		
HAZARDOUS COMPONENTS :	HYDROFLUORIC ACID 24%, SULPHONIC	
EEC CLASSIFICATION :		
R PHRASES :	R26/27/28	
S PHRASES :	(S1/2), S7/9, S26, S36/37, S45	
3. HAZARDOUS IDENTIFICATION		
MAIN HAZARD :	HYDROFLUORIC	
FLAMMABILITY :	NON-FLAMMABLE	
CHEMICAL HAZARD :	HF	
BIOLOGICAL HAZARD :	NONE	
REPRODUCTIVE HAZARD :	NONE	
EYE EFFECTS :	WILL BURN EYES	
HEALTH EFFECTS :	WILL BURN UNPROTECTED SKIN	
INGESTION EFFECTS :	IRRITATION OF MOUTH, THROAT AND DIGESTIVE TRACT	
INHALATION EFFECTS :	MAY CAUSE IRRITANT TO NOSE, THROAT AND RESPIRATORY TRACT	
CARCINOGENICITY :	NONE	
MUTAGENICITY :	NONE	
NEUROTOXICITY :	NONE	
4. FIRST AID MEASURES		
PRODUCT IN EYES :	FLUSH CONTINUOUSLY WITH WATER FOR 20-30 MINUTES. DO NOT INTERRUPT FLUSHING. SEEK MEDICAL ADVICE. TAKE SPECIAL CARE IF EXPOSED PERSON IS WEARING CONTACT LENSES.	
PRODUCT ON SKIN :	RINSE WITH WATER FOR 15 MINUTES. UNDER RUNNING WATER REMOVE CONTAMINATED CLOTHING, SHOES AND LEATHER GOODS (BELTS, WATCHES ETC.) IF IRRITATION PERSISTS REPEAT FLUSHING. SEEK MEDICAL ATTENTION	
PRODUCT INGESTED :	FLUSH MOUTH WITH WATER AND CONTACT A POISONS INFORMATION CENTRE, DO NOT INDUCE VOMITTING. IMMEDIATE HOSPITAL TREATMENT IS MORE THAN LIKELY NEEDED	
PRODUCT INHALED :	REMOVE FROM EXPOSURE. FIRST AID IS GENERALLY NOT REQUIRED, IF IN DOUBT CONTACT A POISONS INFORMATION CENTRE	
5. FIRE FIGHTING MEASURES		
EXTINGUISHING MEDIA :	NON FLAMMABLE, USE EXTINGUISHING MEDIA SUITED TO BURNING MATERIALS	
SPECIAL HAZARDS :	MAY PRODUCE HYDROGEN GAS	
PROTECTIVE CLOTHING :	GOGGLES, GLOVES AND OVERALLS	
6. ACCIDENTAL RELEASE MEASURES		
PERSONAL PRECAUTIONS :	PRODUCT WILL DAMAGE CLOTHING	
ENVIRONMENTAL PRECAUTIONS :	PRODUCT MAY CAUSE CHLORINE GAS	
SMALL SPILLS :	WASH AWAY WITH LARGE QUANTITIES OF WATER	
LARGE SPILLS :	PREVENT SPILLAGE FROM ENTERING DRAINS OR	

	WATER COURSES AND CONTACT EMERGENCY SERVICES IMMEDIATELY
7. HANDLING & STORAGE	
SUITABLE MATERIAL :	HIGH DENSITY POLYETHYLENE CONTAINERS
HANDLING / STORAGE ::	KEEP EXPOSURE TO THIS PRODUCT TO A MINIMUM AND MINIMISE QUANTITIES KEPT IN WORK AREAS.
	STORE IN A COOL WELL VENTILATED AREA
8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
OCCUPATIONAL EXPOSURE LIMITS :	MIST MAY CAUSE IRRITATION OF THROAT, EYES & SKIN
ENGINEERING CONTROL MEASURES :	NONE
PERSONAL PROTECTION :	IMPERMIABLE GLOVES & CHEMICAL FACE SHIELD/ GOGGLES, MASK & ACID RESISTANT OVERALL
OTHER PROTECTION :	NONE
9. PHYSICAL & CHEMICAL PROPERTIES	
APPEARANCE :	CLEAR RED LIQUID
ODOUR :	ACIDIC
Ph :	<5
BOILING POINT :	>100
MELTING POINT :	N / A
FLASH POINT :	NONE
FLAMMABILITY :	NON FLAMMABLE
AUTO-FLAMMABILITY :	NONE
EXPLOSIVE PROPERTIES :	NONE
OXIDIZING PROPERTIES :	NONE
VAPOUR PRESSURE :	N / A
DENSITY :	1.03
SOLUBILITY – WATER :	HIGHLY SOLUBLE
SOLUBILITY – SOLVENT :	NON SOLUBLE
SOLUBILITY – COEFFICIENT :	CO-EFFICIENT
10. STABILITY AND REACTIVITY	
CONDITIONS TO AVOID :	ENCLOSED SPACES
INCOMPATIBLE MATERIALS :	METALS, HEAT, SILICONE BEARING MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS :	HF
11. TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY :	NO SPECIFIC DATA AVAILABLE
CHRONIC TOXICITY :	NO SPECIFIC DATA AVAILABLE
CARCINOGENICITY :	NON CARCINOGENIC
MUTAGENICITY :	NONE
NEUROTOXICITY :	NONE
REPRODUCTIVE HAZARDS :	NONE
SKIN & EYE CONTACT :	POSSIBLE SKIN SENSITISATION
12. ECOLOGICAL INFORMATION	
AQUATIC TOXICITY – FISH :	TOXIC
AQUATIC TOXICITY – DAPHNIA :	TOXIC
AQUATIC TOXICITY – ALGAE :	TOXIC
BIODEGRADABILITY :	BIODEGRADABLE
BIO-ACCUMULATION :	WILL NOT OCCUR
MOBILITY ;	PRODUCT WILL DISSOLVE IN WATER
GERMAN WGK :	N / A
13. DISPOSAL CONSIDERATIONS	
DISPOSAL METHODS :	CONTROLLED LANDFILL ACCORDING TO LOCAL REGULATIONS
DISPOSAL OF PACKAGING :	CONTAINERS SHOULD BE CLEANED & RECYCLED
14. TRANSPORTATION INFORMATION	

24% HYDROFLURIC ACID TO BE TRANSPORTED IN CHEMICAL RESISTANT PLASTIC CONTAINERS.
DRUMS TO BE UPRIGHT & TIGHTLY CLOSED.
CORROSIVE & TOXIC HAZARD LABELS TO BE DISPLAYED AT ALL TIMES.

15.	REGULATORY	INFORMATION
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E E C HAZARD CLASSIFICATION :	IRRITANT / HARMFUL
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RISK PHRASES :	R20,R36,R38
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SAFETY PHRASES :	S2,S24,S25,S26
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NATIONAL LEGISLATION	NONE
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16.	OTHER	INFORMATION
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The information submitted in this specification sheet is based on the current knowledge and experience of Green Machine. In view of the many factors that may affect processing and application, this data does not constitute warranty on our part, neither does it relieve processors of the responsibility of carrying out their own tests and experiments nor does it imply any legal binding assurance of certain properties or of suitability for a specific purpose.

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