

SAFETY DATA SHEET

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Green Dolphin Inc.
1351 Matheson Blvd. E., Unit 4B, Mississauga, Ontario, L4W 2A1
Phone 905-673-0707

Product Code : GD-FS108

DATE : 01/05/2020 mm/dd/yyyy

Product Trade Name : Fire Safe™ 108 Wood (UL Listed)

Product Class / Intended End Use : Fire Retardant Coating

Emergency Telephone Numbers : For emergency health, safety and environmental information call 905-673-0707 (Monday to Friday 9am-4pm EST/EDT)

For Emergency Transportation Information Call Canutec At 613-996-6666

SECTION 2 : HAZARD IDENTIFICATION

CLASSIFICATION : CORROSIVE TO METALS - CATEGORY 1
ACUTE TOXICITY, ORAL - CATEGORY 3
INHALATION - CATEGORY 3
SKIN IRRITATION - CATEGORY 1

SIGNAL WORD : DANGER

HAZARD STATEMENTS

- MAY BE CORROSIVE TO METALS.
- TOXIC IF SWALLOWED.
- TOXIC IF INHALED.
- CAUSES SKIN IRRITATION.
- CAUSES SERIOUS EYE DAMAGE.

PRECAUTIONARY STATEMENTS

- STORE IN A CORROSIVE RESISTANT/..CONTAINER/TANK WITH A RESISTANT LINER.
- KEEP CONTAINER TIGHTLY CLOSED. STORE IN A WELL VENTILATED AREA. KEEP COOL.
- WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
- DO NOT BREATHE DUST/FUMES/GAS/MIST/VAPOUR/SPRAY. USE ONLY OUTDOORS OR IN A WELL VENTILATED AREA.
- DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
- WASH HANDS THOROUGHLY AFTER HANDLING.
- IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. IMMEDIATELY CALL A POISON CENTER/DOCTOR.
- IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. CALL A POISON CENTER OR DOCTOR IF YOU FEEL UNWELL.
- IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ADVICE/ATTENTION.
- IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. WASH CONTAMINATED CLOTHING BEFORE REUSE.
- IF SKIN IRRITATION OCCURS : GET MEDICAL ADVICE/ATTENTION.
- DISPOSE OF CONTENTS AND CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL REGULATIONS.

PERCENTAGE OF THE MIXTURE CONSISTING OF INGREDIENTS OF UNKNOWN TOXICITY : 0.00

OTHER HAZARDS : NONE KNOWN

HAZARD PICTOGRAMS :



SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	WT RANGE %
PHOSPHORIC ACID	7664-38-2	15 to 20
DICYANDIAMIDE	461-58-5	5 to 10
UREA	57-13-6	1 to 3

N/A = NOT AVAILABLE N/E = NOT ESTABLISHED

SECTION 4 : FIRST AID MEASURES**DESCRIPTION OF FIRST AID MEASURES :**

INGESTION : RINSE MOUTH. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION : IMMEDIATELY REMOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. GET MEDICAL ATTENTION.

EYE CONTACT : IMMEDIATELY FLUSH EYES WITH GENTLE FLOWING WATER FOR 10-15 MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO. GET MEDICAL ATTENTION.

SKIN CONTACT : TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. IF SKIN IRRITATION OCCURS, GET MEDICAL ATTENTION.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED :

CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE IRRITATION.
MAY CAUSE RESPIRATORY IRRITATION.
MAY CAUSE DROWSINESS OR DIZZINESS.
INGESTION MAY CAUSE NAUSEA, VOMITING AND DIARRHEA.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED :
TREAT SYMPTOMATICALLY.**SECTION 5 : FIRE FIGHTING MEASURES****SUITABLE EXTINGUISHING MEDIA** : WATERFOG, CO2, EXTINGUISHING POWDER, FOAM**UNSUITABLE EXTINGUISHING MEDIA** : DO NOT USE A HEAVY WATER STREAM.**SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE :**

ISOLATE AND RESTRICT AREA ACCESS. DUE TO THE POTENTIAL OF CORROSIVE, TOXIC FUMES PERSONS WHO MAY BE EXPOSED TO CONTAMINATED SMOKE SHOULD BE IMMEDIATELY EXAMINED BY A PHYSICIAN AND CHECKED FOR SYMPTOMS OF POISONING.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS :

THIS MATERIAL IS CORROSIVE TO HUMAN FLESH. MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE TO DO WITHOUT RISK. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. UNDER FIRE CONDITIONS TOXIC, CORROSIVE FUMES ARE EMITTED. WEAR SELF-CONTAINED BREATHING (SCBA) APPARATUS AND FULL FIRE FIGHTING PROTECTIVE CLOTHING. DO NOT USE SOLID WATER STREAM AS IT MAY SCATTER AND SPREAD THE FIRE.

SECTION 6 : ACCIDENTAL RELEASE MEASURES
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PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES :

USE PERSONAL PROTECTIVE EQUIPMENT. IF FLAMMABLE REMOVE ALL SOURCES OF IGNITION (FLAMES, SPARKS, ETC). PROVIDE ADEQUATE VENTILATION. IF NECESSARY, EVACUATE PERSONNEL TO SAFE AREA.

ENVIRONMENTAL PRECAUTIONS :

TRY TO PREVENT MATERIAL FROM ENTERING DRAINS OR WATER AREA.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP :

SMALL SPILLS SHOULD BE ABSORBED WITH CLAY, DIATOMACEOUS EARTH OR OTHER SUITABLE INERT ABSORBANT. CLEAN UP WITH NON-SPARKING TOOLS. STORE SPILLED MATERIAL IN SUITABLE, CLOSED CONTAINERS SUITABLE FOR DISPOSAL. LARGE SPILLS MAY BE PUMPED INTO APPROPRIATE CLOSED CONTAINERS FOR RECOVERY OR DISPOSAL.

SECTION 7 : HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING :

AVOID INHALATION, SKIN AND EYE CONTACT. WEAR PERSONAL PROTECTIVE EQUIPMENT. HANDLE WITH GOOD INDUSTRIAL HYGIENE. WASH HANDS BEFORE EATING OR DRINKING.

CONDITIONS FOR SAFE STORAGE :

USE IN A WELL VENTILATED AREA. EXHAUST VENTILATION IS RECOMMENDED IF USED INDOORS ON A CONTINUOUS BASIS. IF EXPOSURE EXCEEDS OCCUPATIONAL LIMITS (TLV VALUE) WEAR APPROPRIATE NIOSH APPROVED AIR PURIFYING RESPIRATOR.

INCOMPATIBLES : BASES, STRONG OXIDIZERS

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION
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NAME	ACGIH TLV (PPM)		OSHA PEL (PPM)	
	TWA	STEL	PEL	STEL
PHOSPHORIC ACID	1	3	1	3
DICYANDIAMIDE	N/A	N/A	N/A	N/A
UREA	10	N/A	N/A	N/A

N/A = NOT AVAILABLE N/E = NOT ESTABLISHED

CONTROL PARAMETERS : NO TLV DATA AVAILABLE ON PRODUCT.

APPROPRIATE ENGINEERING CONTROLS : USE ONLY IN WELL VENTILATED AREAS. EXHAUST VENTILATION IF USED INDOORS ON A CONTINUOUS BASIS.

PERSONAL PROTECTIVE EQUIPMENT :

RESPIRATORY PROTECTION : IF EXPOSURE CANNOT BE CONTROLLED BELOW APPLICABLE LIMITS, USE THE APPROPRIATE NIOSH APPROVED RESPIRATOR SUCH AS AN AIR PURIFYING RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE AND DUST/MIST FILTER.

EYE PROTECTION : USE SAFETY GLASSES, GOGGLES OR FULL FACE SHIELD WHERE REQUIRED.

SKIN PROTECTION : USE CHEMICALLY IMPERVIOUS NITRILE OR NEOPRENE GLOVES. WEAR LONG SLEEVED PROTECTIVE CLOTHING. WHEN REQUIRED, WEAR IMPERVIOUS RUBBER APRON. THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING VARIES, DEPENDING UPON CONDITIONS OF USE.

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES
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PHYSICAL STATE / APPEARANCE : LIQUID / CLEAR
 VISCOSITY : 1-10 CPS
 ODOUR : MILD
 ODOUR THRESHOLD : DATA NOT AVAILABLE
 PH : DATA NOT AVAILABLE
 RELATIVE EVAPORATION RATE (BUTYLACETATE=1) : DATA NOT AVAILABLE
 MELTING POINT : DATA NOT AVAILABLE
 FREEZING POINT : DATA NOT AVAILABLE
 BOILING POINT : DATA NOT AVAILABLE
 FLASH POINT (SETAFLASH CLOSED CUP) : NOT APPLICABLE
 AUTO IGNITION TEMPERATURE : DATA NOT AVAILABLE
 DECOMPOSITION TEMPERATURE : DATA NOT AVAILABLE
 FLAMMABILITY (SOLID, GAS) : DATA NOT AVAILABLE
 VAPOUR PRESSURE : DATA NOT AVAILABLE
 VAPOUR DENSITY : DATA NOT AVAILABLE
 DENSITY / SPECIFIC GRAVITY : 1.13
 % VOLATILES BY VOLUME : 78.19
 SOLUBILITY IN WATER : MISCIBLE
 PARTITION COEFFICIENT : DATA NOT AVAILABLE
 EXPLOSIVE LIMIT : DATA NOT AVAILABLE

SECTION 10 : STABILITY AND REACTIVITY

REACTIVITY : AVOID CONTACT WITH INCOMPATIBLES
 CHEMICAL STABILITY : STABLE AT NORMAL CONDITION OF USAGE.
 POSSIBILITY OF HAZARDOUS REACTIONS : WILL NOT OCCUR.
 CONDITIONS TO AVOID : AVOID IGNITION SOURCES. HEAT. SPARKS. OPEN FLAME. DIRECT SUNLIGHT.
 EXTREMELY HIGH OR LOW TEMPERATURES.

INCOMPATIBLES : BASES, STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS : CO, CO2, HYDROCARBONS, OXIDES OF NITROGEN, OXIDES OF PHOSPHOROUS

SECTION 11 : TOXICOLOGICAL INFORMATION
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NAME	LC 50			LD 50		ROUTE
	PPM	ANIMAL	HOURS	MG/KG	ANIMAL	
PHOSPHORIC ACID	213	RAT	4	1530	RAT	ORAL
DICYANDIAMIDE	N/A	N/A	N/A	10000	RAT	ORAL
UREA	N/A	N/A	N/A	8500	RAT	ORAL

N/A = NOT AVAILABLE N/E = NOT ESTABLISHED

ACUTE TOXICITY : NO TEST DATA ON MIXTURE.

NO TEST DATA FOR THE MIXTURE ON : SKIN CORROSION/IRRITATION, EYE DAMAGE/IRRITATION, SKIN SENSITIZATION, RESPIRATORY SENSITIZATION, GERM CELL MUTAGENICITY, CARCINOGENICITY, REPRODUCTIVE TOXICITY, STOT-SINGLE EXPOSURE, STOT-REPEATED EXPOSURE, ASPIRATION.

LIKELY ROUTES OF EXPOSURE : INHALATION, EYE CONTACT, SKIN CONTACT, INGESTION.

SYMPTOMS/INJURIES AFTER INHALATION : INHALATION OF VAPOUR OR MIST CAN CAUSE HEADACHE, NAUSEA, AND IRRITATION OF THE NOSE, THROAT AND LUNGS.

SYMPTOMS/INJURIES AFTER EYE CONTACT : DIRECT CONTACT WITH EYES CAN CAUSE SEVERE IRRITATION OR BURNS. DAMAGE CAN RANGE FROM SEVERE IRRITATION AND MILD SCARRING TO BLISTERING, SEVERE SCARRING AND CLOUDING WITH LOSS OF VISION.

SYMPTOMS/INJURIES AFTER SKIN CONTACT : BRIEF SKIN CONTACT MAY CAUSE IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN BURNS. SYMPTOMS MAY INCLUDE PAIN, SEVERE LOCAL REDNESS, SWELLING AND TISSUE DAMAGE.

SYMPTOMS/INJURIES AFTER INGESTION : MAY CAUSE SEVERE BURNS TO MOUTH, ESOPHAGUS AND STOMACH. MAY LEAD TO COUGHING, VOMITING AND DIARRHEA. ASPIRATION INTO THE LUNGS MAY OCCUR RESULTING IN LUNG INJURY.

SECTION 12 : ECOLOGICAL INFORMATION

TOXICITY : NO TEST DATA ON MIXTURE.
PERSISTANCE AND DEGRADABILITY : NO TEST DATA ON MIXTURE.
BIOACCUMULATIVE POTENTIAL : NO TEST DATA ON MIXTURE.
MOBILITY IN SOIL : NO TEST DATE ON MIXTURE.
OTHER ADVERSE EFFECTS : NONE KNOWN.

SECTION 13 : DISPOSAL CONSIDERATIONS

HANDLING FOR DISPOSAL : HANDLE WASTE ACCORDING TO RECOMMENDATIONS IN SECTION 7. EMPTY CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOUR) AND CAN BE DANGEROUS. DO NOT CUT, WELD, DRILL OR GRIND ON OR NEAR THIS CONTAINER.

METHODS OF DISPOSAL : DISPOSE OF IN ACCORDANCE WITH FEDERAL, PROVINCIAL/STATE AND LOCAL HAZARDOUS WASTE LAWS. DO NOT DISCHARGE INTO SEWAGE OR MUNICIPAL WATER.

RCRA : IF THIS PRODUCT, AS SUPPLIED, BECOMES A WASTE IN THE UNITED STATES, IT MAY MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER RCRA, TITLE CFR 261. IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO DETERMINE THE PROPER WASTE IDENTIFICATION AND DISPOSAL METHOD. FOR DISPOSAL OF UNUSED OR WASTE MATERIAL, CHECK WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL AGENCIES.

***** DO NOT INCINERATE CLOSED CONTAINERS *****

SECTION 14 : TRANSPORT INFORMATION

UN-NUMBER : 1805
UN PROPER SHIPPING NAME : PHOSPHORIC ACID SOLUTION
TRANSPORT HAZARD CLASS : 8
PACKING GROUP : III

ENVIRONMENTAL HAZARDS : THIS PRODUCT CONTAINS MARINE POLLUTANTS. THIS MIXTURE MEETS THE CRITERIA FOR AN ENVIRONMENTALLY HAZARDOUS MATERIAL ACCORDING TO THE IMDG CODE.

SPECIAL PRECAUTIONS FOR USER : APPROPRIATE ADVICE ON SAFETY SHOULD ACCOMPANY THE PACKAGE. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. DO NOT ALLOW PRODUCT CONTACT WITH METALS.

TRANSPORT IN BULK : INFORMATION NOT AVAILABLE.

SECTION 15 : REGULATORY INFORMATION

CANADA

ALL COMPONENTS ARE IN COMPLIANCE WITH THE CANADIAN ENVIRONMENTAL PROTECTION ACT AND ARE PRESENT ON THE DOMESTIC SUBSTANCES LIST. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE SDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

CANADIAN WHMIS CLASSIFICATION :

CLASS D1B (MATERIALS CAUSING IMMEDIATE TOXIC EFFECTS)
CLASS D2B (MATERIALS CAUSING OTHER TOXIC EFFECTS)

USA :

TSCA : ALL COMPONENTS OF THIS MATERIAL ARE ON THE US TSCA INVENTORY OR ARE EXEMPT
OSHA : THIS MATERIAL IS CLASSIFIED AS HAZARDOUS UNDER OSHA REGULATION (29CFR 1910.1200)
CERCLA : REPORTABLE QUANTITIES (RQ) (40 CFR 117.302) : DATA NOT AVAILABLE
SARA TITLE 111 : SEC 302, EXTREMELY HAZARDOUS SUBSTANCES, 40 CFR 355 : DATA NOT AVAILABLE
SARA TITLE 111 : SEC 313, TOXIC CHEMICAL NOTIFICATION, 40 CFR 372 : DATA NOT AVAILABLE

INTERNATIONAL REGULATORY : DATA NOT AVAILABLE

SECTION 16 : OTHER INFORMATION

HMIS HEALTH 1 FLAMMABILITY 0 PHYSICAL HAZARD 0 PROTECTIVE EQUIPMENT C
NFPA HEALTH 1 FLAMMABILITY 0 REACTIVE INSTABILITY 0 SPECIAL HAZARD 2

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