

SAFETY DATA SHEET

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

On-Site Services US Inc.
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Product Trade Name : OS PROTECT- FR101-FABRIC

DATE : 03/31/2023 mm/dd/yyyy

Product Class / Intended End Use : Flame Retardant Coating

Emergency Telephone Numbers : For emergency health, safety and environmental information call 800 465 2083 (Monday to Friday 9am-4pm EST/EDT)

For emergency transportation information call CHEMTREC at 1 800 262 8200

SECTION 2 : HAZARD IDENTIFICATION

CLASSIFICATION : ACUTE TOXICITY, ORAL, CATEGORY 4
INHALATION, CATEGORY 4
EYE IRRITATION, CATEGORY 2B
SKIN IRRITATION, CATEGORY 2

SIGNAL WORD : WARNING

HAZARD STATEMENTS

- HARMFUL IF SWALLOWED.
- HARMFUL IF INHALED.
- CAUSES EYE IRRITATION.
- CAUSES MILD SKIN IRRITATION.

PRECAUTIONARY STATEMENTS:

- 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.
CALL A POISON CENTER OR DOCTOR IF YOU FEEL UNWELL.
- 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 IN WATER/SHOWER. WASH CONTAMINATED CLOTHING BEFORE REUSE.
- IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.
- DISPOSE CONTENTS AND CONTAINERS IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL AND INTERNATIONAL REGULATIONS.

PERCENTAGE OF THE MIXTURE CONSISTING OF INGREDIENTS OF UNKNOWN TOXICITY : 4.60

OTHER HAZARDS : NONE KNOWN

HAZARD PICTOGRAMS :



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SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS #	WT RANGE %
MONOAMMONIUM PHOSPHATE	7722-76-1	5 to 10
DIAMMONIUM PHOSPHATE	7783-28-0	5 to 10
AMMONIUM BROMIDE	12124-97-9	3 to 5

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. INCOMPLETE COMBUSTION MAY FORM CARBON MONOXIDE AND OTHER NOXIOUS FUMES. DOWNWIND PERSONNEL SHOULD BE EVACUATED.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS :

MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE TO DO WITHOUT RISK.
USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. UNDER FIRE CONDITIONS NOXIOUS 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.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

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 : ACIDS, STRONG OXIDIZERS

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

NAME	ACGIH TLV (PPM)		OSHA PEL (PPM)	
	TWA	STEL	PEL	STEL
MONOAMMONIUM PHOSPHATE	N/A	N/A	N/A	N/A
DIAMMONIUM PHOSPHATE	N/A	N/A	N/A	N/A
AMMONIUM BROMIDE	N/A	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 : 1.09
 % VOLATILES BY VOLUME : 89.07
 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 : ACIDS, STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS : OXIDES OF NITROGEN, OXIDES OF PHOSPHOROUS, AMMONIA

SECTION 11 : TOXICOLOGICAL INFORMATION
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NAME	LC 50			LD 50		ROUTE
	PPM	ANIMAL	HOURS	MG/KG	ANIMAL	
MONOAMMONIUM PHOSPHATE	N/A	N/A	N/A	2000	RAT	ORAL
DIAMMONIUM PHOSPHATE	5000	RAT	4	2000	RAT	ORAL
AMMONIUM BROMIDE	N/A	N/A	N/A	2700	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 SLIGHT IRRITATION.
 SYMPTOMS/INJURIES AFTER SKIN CONTACT : PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SLIGHT IRRITATION.
 SYMPTOMS/INJURIES AFTER INGESTION : MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

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 : NOT APPLICABLE
UN PROPER SHIPPING NAME : NON REGULATED
TRANSPORT HAZARD CLASS : NOT APPLICABLE
PACKING GROUP : NOT APPLICABLE

ENVIRONMENTAL HAZARDS : THIS PRODUCT DOES NOT CONTAIN MARINE POLLUTANTS.

SPECIAL PRECAUTIONS FOR USER : APPROPRIATE ADVICE ON SAFETY SHOULD ACCOMPANY THE PACKAGE. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

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

Preparation Date : 03/31/2023 mm/dd/yyyy

Supersedes : 00/00/0000 mm/dd/yyyy

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