Extender Spraybuff

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EMERGENCY
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SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Name..... Extender Spraybuff	**Cas#: N/A, Preparation**
SDS # SA182	
Chemical Name..... **N/A, Preparation**	
Chemical Family..... **Dispersion**	**Date Prepared:** 01/28/16
Hazard Classification.....**N/A, Preparation**	**Date Revised: 01/28/16**
Product Use.....**Floor maintainer**	

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCYOVERVIEW

Color: white, milky
Physical State: liquid
Odor: typical acrylic odor

Signal Word: WARNING
GHS Classifications: Acute Toxicity(oral); Cat. 5
Serious Eye Damage/Irritation; Cat. 2B
Skin Corrosion/Irritation; Cat. 2

POTENTIAL HEALTHEFFECTS

Primary routes of exposure: Skin contact and inhalation.

Signs and symptoms of acute exposure: The product, in the form supplied, is not anticipated to produce significant adverse human health effects.

Acute Eye: Slightly irritating. (data for solvent component)

Acute Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Acute Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation.

Acute Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Remarks: Handle in accordance with good industrial hygiene and safety practice. Dried product may stick to the skin causing irritation upon removal.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	INGREDIENT % RANGE
Diethylene glycol monomethyl ether	111-77-3	<1%
Tri-Butoxyethyl Phosphate	78-51-3	<1%
Styrene copolymer emulsion	Not assigned	5-10%

SECTION 4 – FIRST AID MEASURES

Eyes: Immediately flush eye(s) with plenty of water.

Skin: In case of contact, Immediately flush skin with plenty of water. Remove material from clothing. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Ingestion: If swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove victim to fresh air.

SECTION 5 – FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

Flash Point and Method: Not Determined

Flammability Limits (vol/vol%): LOWER: No data available **UPPER:** No data available

Extinguishing Media (suitable): Carbon dioxide (CO2), Dry chemical, Foam, water spray

Protective Equipment: Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand/NIOSH approved or equivalent).

Further Firefighting Advice: Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards: When burned, the following hazardous products of combustion can occur:

Carbon oxides

Hazardous organic compounds

SECTION 6 – ACCIDENTAL RELEASE MEASURES

In case of spill or leak: Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

SECTION 7 – HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.

Storage: Keep in a dry, cool place. This material is not hazardous under normal storage conditions; however, material should be stored in closed containers, in a secure area to prevent container damage and subsequent spillage. Store in upright position only. Keep container closed when not in use.

Storage Stability: Stable under normal conditions. May coagulate if frozen at 0°C (32°F). Material may develop bacteria odor on long term storage.

Storage Incompatibility - General:
Store separate from: Strong bases, Strong oxidizing agents, Strong acids
May cause coagulation: Multivalent metal salts
Temperature tolerance – Do not store below: - 34 °F (1 °C)
Temperature tolerance – Do not store above: 100 °F (38 °C)

SECTION 8 – EXPOSURES CONTROLS/PERSONAL PROTECTION

Airborne Exposure Guidelines:
Remarks: Listed
Only those components with exposure limits are printed in this section. Limits with skin contact designation above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required. Limits with a sensitizer designation above mean that exposure to this material may cause allergic reactions.

Engineering Controls: Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above).If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Respiratory Protection: Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components (full facepiece recommended). Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Eye/Face Protection: Use good industrial practice to avoid eye contact.

Skin Protection: Minimize skin contamination by following good industrial hygiene practice. When handling this material, gloves of the following type(s) should be worn: Neoprene, nitrile, Polyvinylchloride, Natural Rubber, butyl-rubber, Chlorinated polyethylene, polyethylene (PE), ethyl vinyl alcohol laminate (EVAL).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Color:	white, milky	**Vapor Density:**	Lighter than air.
Physical State:	liquid	**Vapor Pressure:**	Heavier than water.
Odor:	Typical Acrylic Odor	**Boiling Point:**	212 °F (100 °C) (data for Water (7732-18-5))
pH:	Not applicable	**Freezing Point:**	32 °F (0 °C) (data for Water (7732-18-5))
Density:	8.347 g/cm3	**Solubility in water:**	miscible
Specific Gravity, g/ml:	1.003 Water=1 (liquid)	**VOC:**	Not determined

SECTION 10 – STABILITY AND REACTIVITY

Stability: This material is chemically stable under normal and anticipated storage, handling and processing conditions.

Stability-Conditions to avoid: See HANDLING AND STORAGE section of this MSDS for specified conditions. See Hazardous Decomposition Products below.

Materials to Avoid: Strong acids, Strong bases, Strong oxidizing agents
May cause coagulation: Multivalent metal salts
Hazardous Decomposition Products: Thermal decomposition giving flammable and toxic products : Hazardous organic compounds, Carbon oxides
Hazardous Polymerization: Hazardous polymerization does not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Data for this material and/or its components are summarized below.

Other information
The information presented is from representative materials with this Chemical Abstract Service (CAS) Registry number. The results vary depending on the size and composition of the test substance. Effects due to processing releases or residual monomer: Possible cross sensitization with other acrylates and methacrylates

Diethylene glycol monomethyl ether (111-77-3)

Acute Toxicity - Lethal Doses

Rat > 2 GM/M3 1 HOURS

LD50 (Oral) Rat 9.2 G/KG

Guinea Pig 4.2 G/KG

LD50 (Skin) Rabbit 20.2 G/KG

Reproductive Effects

Laboratory test indicate high doses may cause adverse reproductive effects in rats and mice.

Reproductive Effects

Animal studies indicate the potential for reproductive effects in males.

Carcinogenicity
Not listed by IARC, NTP, or OSHA.

Data for Tri-Butoxyethyl phosphate (78-51-3)
Acute toxicity
Oral:
Practically nontoxic to slightly toxic. (rat) LD50 = 4,640 - 13,278 mg/kg.
Dermal:
No more than slightly toxic. (rabbit) LD50 > 5,000 mg/kg.
Inhalation:
Practically nontoxic. (rat) 4 h LC0 > 6.4 mg/l. (aerosol)
Skin Irritation:
Slightly irritating. (rabbit) Irritation Index: 2.32. (4 h)
Eye Irritation:
Slightly irritating. (rabbit)

Skin Sensitization:
Not a skin sensitizer. Buehler Test. (guinea pig) No skin allergy was observed
Skin sensitizer. LLNA: Local Lymph Node Assay. (mouse) Skin allergy was observed.
Repeated dose toxicity
Subchronic oral administration to rat / affected organ(s): liver, heart / signs: changes in organ weights, changes in organ structure or function, blood chemistry changes, changes in body weight
Repeated dermal administration to rabbit / affected organ(s): skin / signs: Irritation / No adverse systemic effects reported.

Genotoxicity
Assessment in Vitro:
No genetic changes were observed in laboratory tests using: bacteria, animal cells
Genotoxicity
Assessment in Vivo:
No genetic changes were observed in a laboratory test using: mice
Developmental toxicity
Exposure during pregnancy. oral (rat) / No birth defects were observed.
Human experience
Skin contact:
Skin: No skin allergy was observed. (studied using human volunteers)

SECTION 12 – ECOLOGICAL INFORMATION

Chemical Fate and Pathway
Data on this material and/or its components are summarized below.

Data for Tri-Butoxyethyl phosphate (78-51-3)
Biodegradation:
Readily biodegradable. (28 d) biodegradation 97 %
Octanol Water Partition Coefficient: log Pow 3.75

Ecotoxicology
Data for Tri-Butoxyethyl phosphate (78-51-3)
Aquatic toxicity data:
Slightly toxic. Oncorhynchus mykiss (rainbow trout) 96 h LC50 = 24 mg/l
Slightly toxic. Pimephales promelas (fathead minnow) 96 h LC50 = 11.2 mg/l
Aquatic invertebrates:
Slightly toxic. Daphnia magna (Water flea) 48 h EC50 = 53 mg/l
Algae:
Slightly toxic. Pseudokirchneriella subcapitata (green algae) 72 h EC50 = 61 mg/l
Microorganisms:
Practically nontoxic. Activated sludge 3 h EC50 > 1,000 mg/l

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal:
Disposal via incineration is recommended. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT/IMDG/IATA Hazard Classification: Non-Hazardous, not regulated
Hazardous: N
Shipping Name: BUFFING & POLISHING COMPOUNDS
Freight Class: 55

SECTION 15 – REGULATORY INFORMATION

US. Toxic Substances Control Act	TSCA	The components of this product are all on the TSCA Inventory.
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 144)	DSL	This product contains one or several components that are not on the Canadian DSL nor NDSL lists.

United States – Federal Regulations

SARA Title III – Section 302 Extremely Hazardous Chemicals:
The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

SARA Title III - Section 311/312 Hazard Categories:
No SARA Hazards

SARA Title III – Section 313 Toxic Chemicals:

Chemical Name	Cas-No.	De minimis Concentration	Reportable Threshold:
Tri-Butoxyethyl phosphate	78-51-3	1.0%	10000 lbs. (Otherwise Used (non-manufacturing/processing))
Diethylene glycol monomethyl ether	111-77-3	6.0%	10000 lbs. (Otherwise Used (non-manufacturing/processing)) 25000lbs. (Manufacturing and processing)

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):

Chemical Name	Cas-No.	Reportable quantity

OSHA Regulated carcinogens (NTP, IARC, OSHA Listed):

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA:
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

United States – State Regulations

New Jersey Right to Know

Chemical Name	CAS-No.
Tri-Butoxyethyl phosphate	78-51-3
Diethylene glycol monomethyl ether	111-77-3

Pennsylvania Right to Know – Environmentally Hazardous Substance(s)

Chemical Name	CAS-No.
Tri-Butoxyethyl phosphate	78-51-3
Diethylene glycol monomethyl ether	111-77-3

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

SECTION 16 – OTHER INFORMATION

HMIS Rating

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PROTECTIVE EQUIPMENT	B

KEY: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal

Protection=B (goggles and gloves)

HMIS – Hazardous Materials Identification System

PREPARATION INFORMATION

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