

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: STATICWORX FORMULA 20.20
Product Code: 1036

Other means of identification:

Product Description: Product type: Liquid

Recommended use of the chemical and restrictions on use:

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Staticworx, Inc.
Address: 4706 Waterbury Stowe Road
Waterbury Center
Vermont, 05677
General Phone Number: (617) 923-2000

Emergency phone number:

Emergency Phone Number: (800) 255-3924
Website: www.staticworx.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Hazards not otherwise classified that have been identified during the classification process:

Tris(2-butoxyethyl) phosphate

Route of Exposure: Information on the likely routes of exposure:
Routes of entry anticipated: Oral, Dermal.
Routes of entry not anticipated: Inhalation.

Carcinogenicity: Not available.
No known significant effects or critical hazards.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Tris(2-butoxyethyl) phosphate	78-51-3	> = 1 - < 3 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed:

Other First Aid: Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

Indication of immediate medical attention and special treatment needed:

Note to Physicians: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Notes :

Most important symptoms/effects, acute and delayed:

Potential acute health effects:

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms:

Eye contact: No specific data.

Inhalation: No specific data.

Skin contact: No specific data.

Ingestion: No specific data.

See toxicological information (Section 11)

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: Special protective equipment for fire-fighters:
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire Fighting Instructions: Specific hazards arising from the chemical:
In a fire or if heated, a pressure increase will occur and the container may burst.

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

NFPA Ratings:

NFPA Health: 2
NFPA Flammability: 1
NFPA Reactivity: 0



SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: Personal precautions, protective equipment and emergency procedures:
For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions:

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Precautions for safe handling:
Protective measures: Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Hygiene Practices: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Conditions for safe storage, including any incompatibilities:

Storage: Conditions for safe storage, including any incompatibilities:
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Appropriate: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures:

Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields. Recommended: safety glasses

Skin Protection Description: Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hand Protection Description: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. < 1 hour (breakthrough time): disposable vinyl

Respiratory Protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Notes : Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid.

Color: Opaque. White.

Odor: Ammoniacal. [Slight]

Boiling Point: Not available.

Melting Point: Not available.

Density: Relative: 1.0105

Solubility: Partially soluble in the following materials: Cold water.
Insoluble in the following materials: Hot water.

Vapor Density: Not available.

Vapor Pressure: Not available.

Evaporation Rate: Not available.

pH: 8 to 9

Coefficient of Water/Oil Distribution: n-octanol/water: Not available.

Flash Point: > 100 deg C (> 212 deg F)

Flash Point Method: Closed cup

Lower Flammable/Explosive Limit: Not available.

Upper Flammable/Explosive Limit: Not available.

Auto Ignition Temperature: Not available.

9.2. Other information:

Notes : Flammability (solid, gas): Not available.

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Possibility of hazardous reactions:
Under normal conditions of storage and use, hazardous reactions will not occur.

Chemical Stability:

Chemical Stability: The product is stable.

Conditions To Avoid:

Conditions to Avoid: No specific data.

Incompatible Materials:

Incompatible Materials: No specific data.

Hazardous Decomposition Products:

Special Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Tris(2-butoxyethyl) phosphate :

Eye: No known significant effects or critical hazards.

Skin: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Acute toxicity:
LD50 Oral Rat 3 g/kg

Sensitization: Not available.

Chronic Effects: Not available.

General: No known significant effects or critical hazards.

Mutagenicity: Not available.

No known significant effects or critical hazards.

Reproductive Toxicity: Not available.

Teratogenicity: Not available.

No known significant effects or critical hazards.

SECTION 12 : ECOLOGICAL INFORMATION

Tris(2-butoxyethyl) phosphate :

Ecotoxicity:

Ecotoxicity: Toxicity:
Result: Acute LC50 11200 µg/l Fresh water
Species: Fish - Pimephales promelas
Exposure: 96 hours

Persistence and degradability:

Biodegradation: Persistence and degradability: Not available.

Bioaccumulative potential:

Bioaccumulation: Bioaccumulative potential:
LogPow: 3.75
BCF: 5.8
Potential: low

Mobility in soil:

Mobility In Environmental Media: Mobility in soil:
Soil/water partition coefficient (KOC): Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 : TRANSPORT INFORMATION

DOT UN Number: Not Regulated.

IATA UN Number: Not Regulated.

Canadian UN Number: Not Regulated.

IMDG UN Number : Not Regulated.

RID UN Number : Not Regulated.

Notes : Mexico Classification:
UN Number: Not regulated.
Environmental hazards: No.

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 2
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: 1

Health Hazard	2
Fire Hazard	1
Reactivity	0
Personal Protection	1

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