

SAFETY DATA SHEET

1) IDENTIFICATION:

Product Identification: Blue Sky Industrial Cleaner

Product Number: 105812-5900

Manufacturer

Fluid Dynamics

1 Sunny Street
Farmington, IL 61531

Transportation Related Emergency:

Chemtrec: (800) 424-9300

2) HAZARD IDENTIFICATION:

This material meets the criteria of a hazardous material under OSHA 29 CFR Part 1910.1200 GHS Standard.

GHS RATINGS:

Serious Eye Damage/Irritation

2B

Mild Eye irritant, reversable in 7 days

Signal Word:

WARNING



GHS HAZARDS:

H320 Causes eye irritation.

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GHS PRECAUTIONS:

- P102 Keep out of reach of children.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P285 In case of inadequate ventilation wear respiratory protection.
- Call a POISON CENTER or doctor/... if you feel unwell.
- P363 Wash contaminated clothing before reuse.
- P304+P340 IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351 IF IN EYES: Rinse continuously with water for several minutes. Remove contact
+P338 lenses if present and easy to do continue rinsing.
- P302+P352 IF ON SKIN: Wash with soap and water.
- P303+P361 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
+P353 Rinse skin with water/shower
- P333+P313 IF skin irritation or a rash occurs: Get medical advice/attention.
- P301+P330 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container according to local, state, and Federal regulations.

3) COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS Number	Weight concentration %
Water	7732-18-5	87.44
T*Phos ODP LF	68610-44-6	1.00% to 5.00%
Potassium Hydroxide 45%	1310-58-3	0.50% to 1.50%
Cocamidopropylamine Oxide	68155-09-9	0.1 to 1.0
Quaternary Ammonium Compound		0.1 to 1.0
Isopropanol	67-63-0	0.1 to 1.0
2-Butoxyethanol	111-76-2	1.0 to 5.00
Citric Acid	77-92-9	0.10 to 1.00%
Pylam Blue Liquid LC 10754	Proprietary	0.10 to 1.00%
Irish Spring Oil	Proprietary	0.10 to 1.00%

All concentrations are in percent by weight.

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4) FIRST-AID MEASURES:

INHALATION:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, oxygen may be administered by trained personnel. If not breathing provide artificial respiration. Seek medical attention immediately.

EYE CONTACT:

In case of eye contact, immediately rinse with plenty of water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops and is severe or persistent.

SKIN CONTACT:

Immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Wash with soap and water. Seek medical attention if irritation develops and is severe or persistent.

INGESTION:

Do not induce vomiting. Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water (do not swallow). Seek medical attention if you feel unwell

5) FIRE FIGHTING MEASURES:

FLAMMABILITY:

Product is not flammable

FIRE EXTINGUISHING MEDIA:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

FIRE FIGHTING MEASURES:

Wear special protective clothing and positive pressure self-contained breathing apparatus. Move containers from the area if you can do so without risk. Do not use direct water spray on the container.

6) ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS:

Keep unauthorized personnel away. Stay upwind. Do not get water inside container. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas. Prevent entry into waterways, sewers, basements, or confined areas. (See section 8 for recommendations on the use of personal protective equipment.)

SPILLS:

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal. Flush the cleaned area with water. No action shall be taken involving any personal risk or without suitable training, and issuance of appropriate personal protective equipment. Stop leaking if you can do so without risk. Prevent spillage from entering drains and/or waterways. Any release to the environment may be subject to Federal, state, and local reporting requirements.

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7) HANDLING AND STORAGE:

HANDLING PRECAUTIONS:

Eating, drinking, and smoking should be prohibited in areas where chemicals are handled, stored, or processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Wear appropriate personal protective equipment. Do not breathe mist or vapor. If ventilation is inadequate, wear respiratory protection. Do not get in eyes, on skin, on clothing. Do not empty into drains.

STORAGE REQUIREMENTS

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers. Store away from incompatible materials.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION:

CAS #	OSHA Exposure Limits	ACIGH Exposure Limits	Other Exposure Limits
111-76-2	TWA: 50 ppm; 240 mg/m ³	TWA : 50 ppm	NIOSH : TWA : 5ppm ; 24 mg/m ³
1310-58-3	US California Occupational Exposure Limits: PEL 2 mg/m ³ (potash)	Ceiling: 2 mg/m ³	NIOSH: Ceiling: 2 mg/m ³
68610-44-6	Not available	Not available	Not available
68155-09-9	Not available	Not available	Not available
67-63-0	TWA: 400 ppm; 980 mg/m ³ STEL: 500 ppm; 1225 mg/m ³	TWA: 200 ppm STEL: 400 ppm	NIOSH: TWA: 400 ppm; 980 mg/m ³ STEL: 500 ppm; 1225 mg/m ³
77-92-9	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	10 mg/m ³ inhalable particles, recommended TWA: 3 mg/m ³ respirable particles, recommended	Not listed

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Recommend an eyewash / safety shower in area.

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PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4 02. Advice should be sought from respiratory protection specialists.

EYE/FACE PROTECTION:

Wear appropriate safety glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133. Safety glasses with a face shield is suggested when ventilation is adequate to eliminate the need for a respirator.

SKIN PROTECTION:

Wear impervious chemical protective clothing, including gloves to prevent skin contact with the material.

9) PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	
Physical state	Liquid
Color	blue
Odor	Irish Spring
pH	< 10
Melting point/freezing point	No data available.
Boiling point range	No data available
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable
Upper/lower flammability or explosive limits	
Flammability limit – lower	No data available.
Flammability limit – upper	No data available
Melting Point	No data available.
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity	Approximately 1.01
Solubility	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

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10) STABILITY/REACTIVITY:

CHEMICAL STABILITY:

Stable under normal conditions of storage and use.

HAZARDOUS POLMERIZATION:

Under normal conditions and use hazardous polymerization will not occur.

11) TOXICOLOGICAL INFORMATION:

Component	Test	Results	Species
111-76-2	LC50 Inhalation	450 ppm	Rat
	LD50 Oral	470 mg/kg	Rat
1310-58-3	LD50 Oral	248 mg/kg	Rat
68610-44-6	Not available	Not available	Not available
68155-09-9	Not available	Not available	Not available
67-63-0	LC50 Inhalation	72600 mg/m3 4 hr.	Rat
	LD50 Oral	1870 mg/kg	Rat
111-76-2	Not available	Not available	Not available
77-92-9	LD50 Oral	3 g/kg	Rat

ACGIH - Threshold Limit Values - TLV Basis - Critical Effects.

111-76-2 and 1310-58-3

eye and upper respiratory tract irritation

67-63-0

CNS impairment; eye and upper respiratory tract irritation

ACUTE TOXICITY:

Corrosive effects. May cause temporary blindness and severe eye damage. Symptoms may include: stinging, tearing, redness, swelling, and blurred vision.

CARCINOGENICITY:

CAS Number	Description	% Weight	Carcinogen Rating
None	.		

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12) ECOLOGICAL INFORMATION:

2 Butoxyethanol 96 Hr LC50 Lepomis macrochirus: 1490 mg/L;
96 Hr LC50 Lepomis macrochirus: 2950 mg/L;
48 Hr EC50 Daphnia magna: >1000 mg/L

13) DISPOSAL CONSIDERATIONS:

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Dispose of according to local, state, and Federal regulations.

14) TRANSPORTATION INFORMATION:

For emergency transportation information, in the United States:

Call CHEMTREC at 800-424-9300

US DOT:

UN NUMBER: Not Regulated by DOT

SHIPPING NAME:

HAZARD CLASS:

PACKING GROUP:

15) REGULATORY INFORMATION:

US federal regulations This product is a "Hazardous Material" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CAS #	302 (EHS) TPQ	304 EHS RQ	CERCLA RQ	SECTION 313	RCRA CODE	CAA 112 (r) TQ
111-76-2						
1310-58-3					1000	
68610-44-6						
68155-09-9						
67-63-0				313		
77-92-9						

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Inventory - United States - Section 8(b) Inventory (TSCA)

All constituents are listed or exempt

U.S. - CWA (Clean Water Act) - Hazardous Substances

1310-58-3 present

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

1310-58-3 1000 lbs; 454 kg final RQ

U.S. - Massachusetts - Right to Know List

111-76-2 Present

1310-58-3 Present

U.S. - New Jersey - Right to Know Hazardous Substance List

111-76-2 sn 0275.

1310-58-3 sn 1571

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

111-76-2 Present

1310-58-3 Present

16) OTHER:

Dated: 06/16/23

Supersedes Issue dated: 04/07/23