

SAFETY DATA SHEET

This SDS complies with GHS Revision 5, OSHA 29 CFR 1910.1200

Section 1: Chemical Product and Company Identification

MANUFACTURER'S NAME
 Walker Design Inc.
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Safety Data Sheet Competent Person: Paul Thompson

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PRODUCT NAME: **Air Filter Cleaner**
 FORMULA: Preparation/Mixture
 PRODUCT USE: Multipurpose cleaner

Section 2: Hazards Identification



GHS Hazard Class

Acute toxicity (Oral) – Category 4
 Skin Corrosion/Irritation – Category 2
 Serious Eye Damage/Eye Irritation -- Category 1
 Specific Target Organ Toxicity -- Single Exposure – Category 3 (Respiratory tract)

Signal word:
 Hazard Statement:

Danger

H302: Harmful if swallowed

H315: Causes skin irritation

H314 Causes severe burns and eye damage

H371 May cause damage to organs

H318: Causes serious eye damage

H335: May cause respiratory irritation

Precautionary Statements: Prevention

P261: Avoid breathing fumes/vapor/gas/mist/spray

P264: Wash hands thoroughly after using

P270: Do not eat, drink, or smoke when using this product

P271: Use only outdoors or in a well-ventilated area

P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+P340+P312 IF INHALED: remove person to fresh air and keep comfortable for breathing. Call POISON CENTER or physician if you feel unwell

P302+P352: IF ON SKIN: wash with plenty of water/ take off contaminated clothing. If skin irritation persists, seek medical attention

P301+P361+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310: Immediately call a POISON CENTER or doctor/physician.

P403+P233: Store in a well-ventilated place. Keep container tightly closed

P501: Dispose of contents/container in accordance with waste disposal requirements of your country, state, or local authorities

Hazards not otherwise classified (HNOC) - Repeated exposure may cause skin dryness or cracking

HAZARD CLASSIFICATION:

Not classified as hazardous based on IATA, IMDG, and DOT.

FIRE AND EXPLOSION:

Not considered flammable or combustible, but will be and release and toxic fumes

POTENTIAL HEALTH EFFECTS:

<1 % of mixture consists of ingredients of unknown acute toxicity

APPEARANCE:

Clear and colorless liquid

FPA Rating:

Component	Health	Flammability	Reactivity	Special
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	(Blue)	(Red)	(Yellow)	(White)
Air Filter Cleaner	2	1	0	-----

Section 3: Composition, Information on Ingredients

PRODUCT COMPOSITION	APPROX %	CAS NO.	EC NUMBER	CANADA DSL
Non-hazardous ingredients	Balance	Not applicable		
Silicic acid (H ₂ SiO ₃), Disodium salt	< 4	6834-92-0	229-912-9	Y
Alcohol ethoxylate	< 3	68439-46-3	614-482-0	Y
Sodium phosphate, tribasic	< 2	7758-29-4	231-838-7	Y
Ethylenediamine tetraacetic acid, tetrasodium salt	< 2	64-02-8	200-573-9	Y

Some items on this SDS may be designated as trade secrets (TS). Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13.

Section 4: First Aid Measures

Description of First Aid Measures

Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, provide CPR (cardiopulmonary resuscitation). Get immediate medical attention.
Skin Contact	Immediately wash skin with water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Eye Contact	Immediately flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately. Continue rinsing during transport to the hospital.
Ingestion	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything to an unconscious person. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

Symptoms/Injuries after Inhalation	May be harmful if inhaled. Inhalation of a mist of this material may cause respiratory tract irritation. May cause narcotic effects at high concentrations. Prolonged or repeated skin contact may cause skin irritation and be harmful if absorbed through skin.
Symptoms/Injuries after Skin Contact	Causes eye irritation, eye burns, and may cause further damage to the eye. Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.
Symptoms/Injuries after Eye Contact	May be harmful if swallowed. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Symptoms/Injuries after Ingestion	

Indication of any immediate medical attention and special treatment -needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately.

Section 5: Fire-fighting Measures

Suitable extinguishing media	Use water, dry chemical, chemical foam, or alcohol-resistant foam.
Special hazards arising from the substance or mixture	No data available.
Protective actions fire-fighters	Wear standard protective equipment and self-contained breathing apparatus for firefighting if necessary.
Further information	Use water spray to keep fire-exposed containers cool.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Wear proper personal protective equipment. Avoid breathing vapors or mist.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent spills or contaminated rinse water from entering sewers or watercourses.

Methods and materials for containment and cleaning up

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Reference to other Sections For personal protection reference section 8. For disposal reference section 13.

Section 7: Handling and Storage

Precautions for safe handling

- Avoid breathing mist or vapor
- Use in a well-ventilated area
- Avoid contact with eyes, skin, clothing, and shoes
- Do not ingest or inhale
- Wash hands thoroughly after handling

Conditions for safe storage, including any incompatibilities

- Store upright in a cool, dry place
- Keep container closed when not in use
- Store away from incompatible materials
- Utilize chemical segregation
- Follow all applicable local regulations for handling and storage

Specific uses

To be used as a multipurpose cleaner

Section 8: Exposure Controls/Personal Protection

Control Parameters

PRODUCT	COMPOSITION	ACGIH TLV	OSHA PEL	NIOSH REL
Silicic acid (H ₂ SiO ₃), Disodium salt		2 mg/m ³	2 mg/m ³	2 mg/m ³
Alcohol ethoxylate			Not regulated	
Sodium phosphate, tribasic			Not regulated	
Ethylenediamine tetraacetic acid, tetrasodium salt			Not regulated	

Exposure controls
VENTILATION:

Always provide good general, mechanical room ventilation where this chemical/material is used.

SPECIAL VENTILATION CONTROLS:

Where adequate general ventilation is unavailable, use this material inside totally enclosed equipment, or use it with local exhaust ventilation at points where vapors cannot be released into the workspace air.

RESPIRATORY PROTECTION:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or the CEN European Standards (EU). Use a NIOSH/MSHA or European Standard (EN) approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Canadian CSA Standard Z94.4-93.

Neoprene, butyl, or nitrile rubber gloves are recommended.

Recommend eye protection using safety glasses or goggles.

Suitable protective clothing to prevent skin contact.

PROTECTIVE GLOVES:

Avoid breathing vapor. Avoid contact with eyes. Wash hands after handling.

EYE PROTECTION:

Make safety shower, eyewash stations, and hand washing equipment available in the work area.

SKIN PROTECTION:
WORK/HYGIENE PRACTICES:
OTHER EQUIPMENT:

Section 9: Physical and Chemical Properties

PRODUCT CRITERIA	
APPEARANCE - COLOR:	Clear and colorless
PHYSICAL STATE:	Liquid
ODOR:	No odor
ODOR THRESHOLD	No data available
PH	11.5 – 12.5
MELTING POINT/FREEZING POINT:	No data available
INITIAL BOILING POINT AND BOILING RANGE:	> 212 °F
FLASH POINT:	No data available
EVAPORATION RATE:	No data available
FLAMMABILITY (Solid, gas)	No data available
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not Measured
VAPOR PRESSURE	No data available
VAPOR DENSITY (AIR = 1)	No data available
DENSITY	8.67 lbs/gal
SPECIFIC GRAVITY	1.040
SOLUBILITY(IES)	100% Soluble
OXIDIZING PROPERTIES	No data available
PARTITION COEFFICIENT: n-octanol/water	No data available
AUTO IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY	No data available
VOC/VOLUME	0.0000 GL

Section 10: Stability and Reactivity

Reactivity:	Not reactive
Chemical Stability:	Stable under normal temperatures and pressures
Possibility of Hazardous Reactions:	No data available
Conditions to Avoid:	Avoid sparks, flames, and other sources of ignition
Incompatibility (Materials to Avoid):	Anionic compounds, strong oxidizers, strong alkali materials, aluminum and soft metals
Hazardous Decomposition Products:	CO and CO ₂

Section 11: Toxicological Information

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comments	Chemical Constituent
Acute Toxicity	ATE LD50 (Oral/Rat):	>2,000 mg/kg	Not applicable	Product
	ATE LD50 (Dermal/Rabbit):	>2,000 mg/kg	Not applicable	Product
	ATE LC50 (Inhalation/Rat):	>2,000 mg/kg	Not applicable	Product
	LD50(Oral/Rat):	600 – 800 mg/kg bw	Category 4	Silicic acid (H ₂ SiO ₃), Disodium salt
		1378 mg/kg	Category 4	Alcohol ethoxylate
	LD50(Oral/Mouse):	330 mg/kg	Category 4	Ethylenediamine tetraacetic acid, tetrasodium salt
	LD50(Dermal/Rabbit):	No data available		
	LC50(Inhalation/Rat):	No data available		
Skin Corrosion/Irritation	In 4-hour skin irritation tests using rabbit's necrosis was observed in the skin.		Category 1	Silicic acid (H ₂ SiO ₃), Disodium salt
Serious Eye Damage / Eye Irritation	Studies show the substance to be corrosive to the eyes (rabbits)		Category 1	Silicic acid (H ₂ SiO ₃), Disodium salt
Respiratory or Skin Sensitization	Negative results were obtained in the Local Lymph Node Assay using mice.		Not classified	Silicic acid (H ₂ SiO ₃), Disodium salt
Germ Cell Mutagenicity	Negative results were observed in chromosomal aberration tests using mouse bone marrow cells (in vivo mutagenicity tests using somatic cells).		Not classified	Silicic acid (H ₂ SiO ₃), Disodium salt
	No signs of carcinogenicity were detected in both 14-month and 2-year oral administration tests using rats.		Not classified	Silicic acid (H ₂ SiO ₃), Disodium salt
Carcinogenicity	NTP	Not listed		
	IARC	Not listed		
	OSHA	Not listed		

	ACGIH	A3 – Confirmed animal carcinogen with unknown relevance to humans		
Reproductive Toxicity	Oral exposure of mice during the gestational period showed no effects on development of their offspring		Not classified	Silicic acid (H ₂ SiO ₃), Disodium salt
STOT -- Single Exposure	Lethargy, increased breathing frequency, placycoria, cramps, apathy, staggering gait, dyspnea, were observed during oral administration tests using rats.		Not classified	Silicic acid (H ₂ SiO ₃), Disodium salt
STOT – Repeated Exposure	Data suggests that rats and mice showed no notable effects at the highest dose.		Not classified	Silicic acid (H ₂ SiO ₃), Disodium salt
Aspiration Hazard		Data not available		

STOT = Specific Target Organ Toxicity

Section 12: Ecological Information

Chemical Constituent

Toxicity:	LC50 > 210 mg/l Fish (zebra fish) 96 hr.	Silicic acid (H ₂ SiO ₃), Disodium salt
	LC50 > 11000 mg/l Crustacea (Penaeus), 96 hr.	Alcohol ethoxylate
Persistence and degradability:	Not sparingly soluble in water	
Bioaccumulative potential	No information is available	
Mobility in soil:	No information is available.	
PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical assessment not required/not conducted	
Other adverse effects:	No information is available.	

Section 13: Disposal Considerations

Waste from residues/unused products: Follow the waste disposal requirements of your country, state, or local authorities.

Contaminated packaging: Contaminated packaging material should be disposed of as stated above for residues and unused product.

Rinsate: Do not dispose of rinse water containing product in a sanitary sewer system or stormwater drainage system.

Section 14: Transport Information

<u>DOT TRANSPORT:</u>	Not Regulated
<u>RAIL TRANSPORT:</u>	Not Regulated
<u>SEA TRANSPORT:</u>	IMDG
<u>AIR TRANSPORT:</u>	IATA/ICAO

Section 15: Regulatory Information

TOXIC SUBSTANCE CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and orders of TSCA. All components are either listed on the TSCA inventory or are considered exempt.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all SDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: None

The Section 304 chemicals contained in this product are: Sodium phosphate, tribasic

CALIFORNIA PROPOSITION 65 and Title 8:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.



The California proposition 65 chemical(s) contained in this product are: Sodium phosphate, tribasic (title 8)

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Massachusetts's hazardous substance(s): Not listed

Pennsylvania hazardous substance code(s): Not listed

New Jersey hazardous substance list: Not listed

CANADA:

WHMIS-2015: This SDS is in compliance with WHMIS 2015 (HPR / new HPA).

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Regulation (EC) No 1272/2008 on classification, labeling, and packaging (CLP) of substances and mixtures.

Section 16: Other Information

Initial issue date: September 23, 2015

Final revision date: December 23, 2020

Revision Number: 2

Revision explanation: Initial version

Information Sources: RTECS, ECHA, REACH, OSHA 29CFR 1910.1200

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