

SECTION 1. IDENTIFICATION

Product

Product name: FastWoRX-S Powder

Recommended use: Sorbent powder for chemistry and analytical procedures

Supplier

Name: Faster Chemistry LLC

Address: 3303 Colonial Manor Circle, Unit 4B
Louisville, KY 40218 USA

Telephone: 502 792 7878

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200: Not a hazardous substance or mixture

GHS label elements: Not a hazardous substance or mixture

Other hazards: Dust may cause irritation

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Substance

Chemical nature: Silicone elastomer coating on glass powder

Substance name: Silicone elastomer coating on glass powder

CAS-No.: 65997-17-3 for glass

Hazardous ingredients: No hazardous ingredients

SECTION 4. FIRST AID MEASURES

If inhaled: Remove to fresh air and keep at rest. If symptoms develop, obtain medical attention.

In case of skin contact: Wash affected skin with plenty of water. If symptoms occur, obtain medical attention.

In case of eye contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.

If swallowed: Do not induce vomiting. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed: Dust may cause discomfort and mild irritation. Spilled material may be a slipping hazard.

Protection of first responders: No special precautions are necessary for first responders

Note to physician: Treat symptomatically and supportively

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray, alcohol-resistant foam, carbon dioxide (CO₂), dry chemical

Unsuitable extinguishing media: None known

Specific hazards during fire-fighting: Exposure to combustion products may be a hazard to health

Hazardous combustion products: Carbon monoxide and dioxide, silicon oxides, formaldehyde

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for fire-fighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Follow safe handling advice and personal protective equipment recommendations in **SECTION 8**.

Environmental precautions: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Spills may be slippery. Avoid generation of dust. Sweep up or preferably vacuum up spillage and collect in suitable container for disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

SECTIONS 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures: See Engineering measures in **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**.

Ventilation: Use only with adequate ventilation

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment. Avoid breathing dust and contact with eyes, skin and clothing. Avoid generation of dust. Wash thoroughly after handling.

Conditions for safe storage: Keep in properly labeled containers that are tightly closed and dry. Store in accordance with local regulations.

Materials to avoid: Do not store with the following substance types: strong oxidizing agents, inorganic fluorine-containing compounds

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters: No Occupational Exposure Limit assigned. Limit maximum exposure to 15mg/m³ total dust, 5mg/m³ respirable dust (Particulates Not Otherwise Regulated).

Engineering measures: Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust) and control of process conditions.

Personal protective equipment

Respiratory protection: Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of exposure limits being exceeded.

Eye protection: Goggles

Skin, hand and body protection: Wear suitable protective clothing and gloves

Hygiene measures: Do not eat, drink or smoke in the work place. Wash hands after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white powder

Color: Translucent - white to off-white

Odor: Not applicable

Odor Threshold: Not applicable

pH: Not applicable

Melting point/freezing point: Not applicable

Initial boiling point and boiling range: Not applicable

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas): Not classified as a flammability hazard

Self-ignition: The substance or mixture is not classified as pyrophoric or self-heating

Upper explosion limit/Upper flammability limit: No data available

Lower explosion limit/Lower flammability limit: No data available

Vapor pressure: Not applicable

Relative vapor density: Not applicable

Relative density (water = 1): Particle - approximately 2.3; Uncompacted bulk – approximately 0.7

Water solubility: Insoluble

Partition coefficient: n-octanol/water: Not applicable

Auto-ignition temperature: Not applicable

Decomposition temperature: Greater than 150 °C (300 °F)

Viscosity: Not applicable

Explosive properties: Not explosive

Oxidizing properties: Not classified as oxidizing

Molecular weight: Not applicable

Particle size: Approximately 50 – 250 microns

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard

Chemical stability: Stable under normal conditions

Possibility of hazardous reactions: Can react with strong oxidizing agents, fluorine, hydrogen fluoride, fluorides

When heated to temperatures above 150 °C (300 °F) in the presence of air, product can form formaldehyde vapors. Safe handling conditions may be maintained by keeping vapor concentrations within the occupational exposure limit for formaldehyde. See OSHA formaldehyde standard, 29 CFR 1910.1048. Formaldehyde may cause cancer. It is also toxic by inhalation, skin absorption and ingestion; corrosive to skin and eyes and may cause skin sensitization and respiratory irritation.

Conditions to avoid: High temperatures, strong oxidizing agents, fluorine, hydrogen fluoride, fluorides

Incompatible materials: Strong oxidizing agents, fluorine, hydrogen fluoride, fluorides, strong acids (pH < 1), strong bases (pH > 14)

Hazardous decomposition products: Thermal decomposition - formaldehyde

SECTION 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation, skin contact, ingestion, eye contact

Acute toxicity

Inhalation: Inhalation of powder may cause irritation to the mucous membranes

Skin corrosion/irritation: Powder may cause mechanical irritation

Ingestion: Not classified based on available information

Serious eye damage/eye irritation: Powder may cause mechanical irritation

Sensitization

Skin sensitization: Not classified based on available information

Respiratory sensitization: Not classified based on available information

Germ cell mutagenicity: Not classified based on available information

Carcinogenicity

Not classified based on available information. There are no known reports of carcinogenicity of non-fibrous glass.

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|------|--|
| IARC | No ingredient of this product at a concentration of 0.1% or greater is identified as probable, possible or confirmed human carcinogen by IARC. |
| OSHA | No ingredient of this product at a concentration of 0.1% or greater is on OSHA's list of regulated carcinogens. |
| NTP | No ingredient of this product at a concentration of 0.1% or greater is identified as a known or anticipated carcinogen by NTP. |

Reproductive toxicity: Not classified based on available information

STOT-single exposure: Not classified based on available information

STOT-repeated exposure: Not classified based on available information

Aspiration toxicity: Not classified based on available information

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available but expected to be non-toxic

Persistence and degradability: No data available but expected to be persistent and inert in aquatic systems

Bioaccumulative potential: No data available but expected not to bioaccumulate

Mobility in soil: No data available but expected to be immobile

Other adverse effects: No data available but none expected

SECTION 13. DISPOSAL CONSIDERATIONS

Resource Conservation and Recovery Act (RCRA): This product has been evaluated for RCRA characteristics and does not meet the criteria for a hazardous waste if discarded **as supplied**. The product is intended to absorb organic compounds during normal use. Therefore, used product may meet the criteria for a hazardous waste. It is the user's responsibility to assess the used product's status and dispose of the used product properly.

Contaminated unused product packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG: Not regulated as a dangerous good

IATA-DGR: Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable for product as supplied

US Federal Regulations

49 CFR: Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a Section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity: This material does not contain any components with a Section 302 EHS TPQ.

SARA 311/312 Hazards: No SARA Hazards

SARA 313: This material does not contain any chemical components that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right-To-Know: Cured rubber article not assigned

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

Reporting Status

NZIoC: All ingredients listed or exempt

REACH: Glass powder and polymers are exempt from REACH registration

AICS: All ingredients listed or exempt

IECSC: All ingredients listed or exempt

ENCS/ISHL: All components are listed on ENCS/ISHL or exempt from inventory listing

KECI: All ingredients listed, exempt or notified

PICCS: All ingredients listed or exempt

DSL: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL)

TSCA: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption

TCSI: All ingredients listed or exempt

SECTION 16. OTHER INFORMATION

Revision Dates

Prior revision date: 1/29/2018

SDS last revised: 6/20/2019

Further Information

NFPA:	Flammability	1
	Health	0
	Instability	0

	Special hazard	None
HMIS® IV:	HEALTH	/0
	FLAMMABILITY	1
	PHYSICAL HAZARD	0

HMIS® ratings are based on a 0 - 4 rating scale with 0 representing minimal hazards or risks and 4 representing significant hazards or risks. A "*" in the HEALTH rating indicates a chronic hazard and a "/" indicates the absence of a chronic hazard.

Data Sources for this SDS

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and the European Chemicals Agency (<http://echa.europa.eu/>)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of issue. The information is provided only as guidance for the safe handling, use, processing, storage, transportation and disposal of the product and shall not be considered a warranty or quality specification of any type. The information provided relates only to the product identified in **SECTION 1** of this SDS and is not valid when the product is used in combination with any other materials or in any process unless specified in this SDS. Users should review the information and recommendations provided in this SDS in the context of their intended or actual handling, use, processing, storage, transportation and disposal of the product, including determining the appropriateness of the product in the user's end product, if applicable.

SDS Abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act (US); CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DOT - Department of Transportation (US); DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50% of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration (US); n. o. s. - not otherwise



SAFETY DATA SHEET

FastWoRX-S Powder

Prior Issue Date: 1/29/2018

Issue Date: 6/20/2019

specified; NFPA - National Fire Protection Association (US); NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program (US); NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act (US); REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act (US); SDS - Safety Data Sheet; STOT - Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (US); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - very Persistent and very Bioaccumulative