

# SAFETY DATA SHEET



## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

---

### SECTION 1. IDENTIFICATION

Product name : Master X-Seed 44  
Product code : 000000000050571623 000000000050571623

#### Manufacturer or supplier's details

Company name of supplier : Master Builders-Admixtures US,LLC  
Address : 23700 Chagrin Blvd  
Beachwood OH 44122  
Emergency telephone : ChemTel: +1-813-248-0585  
National Emergency Telephone Number : USA: +1-800-255-3924 ChemTel contract no. MIS9240420

#### Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals  
Restrictions on use : See 40 CFR § 721.11324 for use restrictions., Use respiratory protection when inhalation is possible

---

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards

Contains formaldehyde  
Do not inhale gases/vapours/aerosols.

---

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Aqueous solution

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
sodium thiocyanate	540-72-7	>= 1 - < 5
sodium nitrate	7631-99-4	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

---

### SECTION 4. FIRST AID MEASURES

# SAFETY DATA SHEET

## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

---

- General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.
- If inhaled : If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.
- In case of skin contact : After contact with skin, wash immediately with plenty of water and soap.  
Under no circumstances should organic solvent be used.  
If irritation develops, seek medical attention.
- In case of eye contact : Remove contact lenses, if present.  
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.  
Do NOT induce vomiting.
- Most important symptoms and effects, both acute and delayed : None known.
- Notes to physician : Treat symptomatically.
- 

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : See SDS section 10 - Stability and reactivity.
- Hazardous combustion products : harmful vapours  
nitrogen oxides  
fumes/smoke  
carbon black  
carbon oxides
- Further information : The degree of risk is governed by the burning substance and the fire conditions.  
If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.  
Contaminated extinguishing water must be disposed of in accordance with official regulations.
- Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.
-

# SAFETY DATA SHEET



## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Do not breathe vapour/aerosol/spray mists.  
Wear eye/face protection.  
If exposed to high vapour concentration, leave area immediately.  
Use personal protective clothing.  
Handle in accordance with good building materials hygiene and safety practice.
- Environmental precautions : Contain contaminated water/firefighting water.  
Do not discharge into drains/surface waters/groundwater.
- Methods and materials for containment and cleaning up : Large spills should be collected mechanically (remove by pumping) for disposal.  
Pick up with inert absorbent material (e.g. sand, earth etc.).  
Spilled product should be disposed in accordance with all applicable government regulations.

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid aerosol formation.  
Do not breathe vapors or spray mist.  
Avoid skin contact.  
Avoid contact with eyes.
- Conditions for safe storage : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.  
Protect from direct sunlight.
- Materials to avoid : No materials to be especially mentioned.
- Recommended storage temperature : > 39 °F / > 4 °C
- Further information on storage stability : PROTECT FROM FREEZING DURING THE COLD-SEASON (BELOW 40°F / 5°C).

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Silicic acid, calcium salt	1344-95-2	TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL

# SAFETY DATA SHEET

## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0

**Engineering measures** : Ensure adequate ventilation.

### Personal protective equipment

**Respiratory protection** : Wear appropriate certified respirator when exposure limits may be exceeded.  
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

**Hand protection**

**Remarks** : Wear chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.

**Eye protection** : Safety glasses with side-shields.

**Skin and body protection** : light protective clothing

**Protective measures** : Do not inhale gases/vapours/aerosols.  
Avoid contact with the skin, eyes and clothing.  
Avoid exposure - obtain special instructions before use.  
Handle in accordance with good building materials hygiene and safety practice.  
Wearing of closed work clothing is recommended.

**Hygiene measures** : When using, do not eat, drink or smoke.  
Hands and/or face should be washed before breaks and at the end of the shift.  
At the end of the shift the skin should be cleaned and skin-care agents applied.  
Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.  
Gloves must be inspected regularly and prior to each use.  
Replace if necessary (e.g. pinhole leaks).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : liquid

**Color** : brown

**Odor** : mild

# SAFETY DATA SHEET



## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

---

Odor Threshold : No data available

pH : 10.5 (69.80 °F / 21.00 °C)  
soluble

Melting point : No data available

Boiling point : No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability (liquids) : not flammable

Upper explosion limit / Upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Vapor pressure : No applicable information available.

Relative vapor density : No data available

Relative density : No data available

Density : 1.2350 g/cm<sup>3</sup> (77.00 °F / 25.00 °C)

Solubility(ies)  
Water solubility : soluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : not applicable for mixtures

Autoignition temperature : No applicable information available.

Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : Not explosive

Oxidizing properties : Not an oxidizer.

# SAFETY DATA SHEET



## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

---

Sublimation point : No data available  
Molecular weight : Not applicable

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability : The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions : Stable under recommended storage conditions. No hazards to be specially mentioned.

Conditions to avoid : See SDS section 7 - Handling and storage.

Incompatible materials : Strong acids  
Strong bases  
Strong oxidizing agents  
Strong reducing agents

Hazardous decomposition products : No hazardous decomposition products if stored and handled as prescribed/indicated.

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin 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.

**IARC**      Group 2A: Probably carcinogenic to humans  
sodium nitrate      7631-99-4  
(nitrate (ingested) under conditions that result in endogenous nitrosation)

# SAFETY DATA SHEET



## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

---

### 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.

### Further information

#### Product:

Remarks : Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

#### Product:

Additional ecological information : Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with national, state and local regulations.

---

# SAFETY DATA SHEET



## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

---

Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

### 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.

##### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

---

### SECTION 15. REGULATORY INFORMATION

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

sodium nitrate      7631-99-4

calcium nitrate      10124-37-5

#### US State Regulations

##### New Jersey Right To Know

sodium thiocyanate      540-72-7

##### California Prop. 65

WARNING: This product can expose you to chemicals including arsenic, which is/are known to the State of California to cause cancer, and mercury, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

##### The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

DSL : All components of this product are on the Canadian DSL

---



# SAFETY DATA SHEET

## Master X-Seed 44

Version 2.0      Revision Date: 08/15/2023      SDS Number: 000000878796      Date of last issue: 07/28/2023  
Date of first issue: 01/06/2023

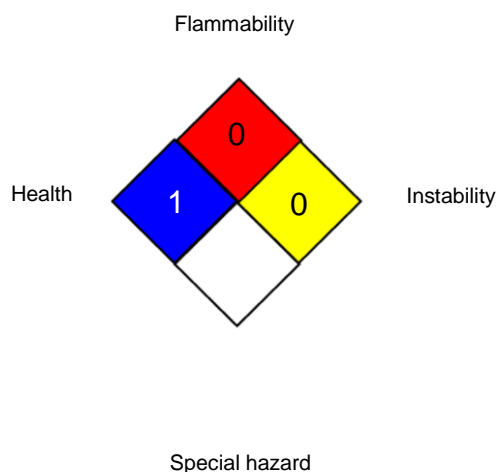
### TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:  
Modified Polyarylether      Proprietary

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

NIOSH REL : USA. NIOSH Recommended Exposure Limits  
OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants  
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek  
OSHA P0 / TWA : 8-hour time weighted average  
OSHA Z-1 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; 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 - In-

# SAFETY DATA SHEET



## Master X-Seed 44

Version	Revision Date:	SDS Number:	Date of last issue: 07/28/2023
2.0	08/15/2023	000000878796	Date of first issue: 01/06/2023

---

ternational Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation 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; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; 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; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 08/15/2023

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN