# SAFETY DATA SHEET
according to the OSHA Hazard Communication Standard

# MasterSure 1390

| Version | Revision Date: | SDS Number: | Date of last issue: 08/15/2023 |
|---|---|---|---|
| 1.2 | 07/28/2023 | 000000260391 | Date of first issue: 01/09/2023 |

## SECTION 1. IDENTIFICATION

Product name : MasterSure 1390

Product code : 000000000050701388 000000000050701388

**Manufacturer or supplier's details**

Company name of supplier : Master Builders-Admixtures US,LLC

Address : 23700 CHAGRIN BLVD
Beachwood OH 44122

Emergency telephone number : 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
admixture

Restrictions on use : Reserved for industrial and professional use.

## SECTION 2. HAZARDS IDENTIFICATION

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

**Hazards for the product as supplied**

Skin corrosion : Sub-category 1B

Serious eye damage : Category 1

Skin sensitisation : Category 1

Short-term (acute) aquatic hazard : Category 1

Long-term (chronic) aquatic hazard : Category 2

**Other hazards**

None known.

**GHS label elements**

Hazard pictograms :

Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : Corrosive to the respiratory tract.

Precautionary statements :

**Prevention:**

P261 Avoid breathing mist or vapours.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing, eye protection and face protection.

**Response:**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Aqueous solution

**Components**

| Chemical name | CAS No./Unique ID | Concentration (% w/w) | Trade secret |
|---|---|---|---|
| (Z)-2,2'-(Octadec-9-enylimino)bisethanol | 13127-82-7* | >= 3 - <= 7 | TSC |
| triisobutyl phosphate | 126-71-6* | >= 3 - <= 7 | TSC |
| acetic acid | 64-19-7* | >= 0.5 - <= 1.5 | TSC |

* Indicates that the identifier is a CAS No.
TSC- the actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

General advice : First aid personnel should pay attention to their own safety.
Immediately remove contaminated clothing.

If inhaled : Keep patient calm, remove to fresh air.
If symptoms persist, seek medical advice.

In case of skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Seek medical attention.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Remove contact lenses.
Keep eye wide open while rinsing.
Seek medical advice.
If eye irritation persists, consult a specialist.

If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.
Do not induce vomiting unless told to by a poison control center or doctor.

Most important symptoms and effects, both acute and delayed : Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Causes serious eye damage.
Corrosive to the respiratory tract.
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Notes to physician : Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Foam<br>Water spray<br>Dry powder<br>Carbon dioxide (CO2) |
| Unsuitable extinguishing media | : | water jet |
| Hazardous combustion products | : | nitrogen oxides<br>corrosive gases/vapours<br>fumes/smoke<br>carbon oxides<br>carbon black |
| Further information | : | The degree of risk is governed by the burning substance and the fire conditions.<br>If exposed to fire, keep containers cool by spraying with water.<br>Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.<br>Contaminated extinguishing water must be disposed of in accordance with official regulations. |
| Special protective equipment for firefighters | : | Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.<br>Wear eye/face protection.<br>Use personal protective clothing.<br>Handle in accordance with good building materials hygiene and safety practice. |
| Environmental precautions | : | Contain contaminated water/firefighting water.<br>Do not discharge into drains/surface waters/groundwater. |
| Methods and materials for containment and cleaning up | : | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Pick up with suitable appliance and dispose of. |

## SECTION 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on protection against fire and explosion | : | The product is neither self-ignitable, nor an explosion hazard, nor does it promote fires. |
| Advice on safe handling | : | Avoid formation of dust and aerosols.<br>Avoid inhalation of dusts/mists/vapours. |

Avoid contact with the skin, eyes and clothing.
Ensure adequate ventilation.

Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

Recommended storage temperature : 32 - 129 °F / 0 - 54 °C

Further information on storage stability : No decomposition if stored and applied as directed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| acetic acid | 64-19-7 | TWA | 10 ppm | ACGIH |
| | | STEL | 15 ppm | ACGIH |
| | | TWA | 10 ppm<br>25 mg/m3 | NIOSH REL |
| | | ST | 15 ppm<br>37 mg/m3 | NIOSH REL |
| | | TWA | 10 ppm<br>25 mg/m3 | OSHA Z-1 |
| | | TWA | 10 ppm<br>25 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) respirator as necessary.

Hand protection

Remarks : Wear chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): butyl rubber (butyl) -

0.7 mm coating thickness nitrile rubber (NBR) - 0.4 mm coating thickness chloroprene rubber (CR) - 0.5 mm coating thickness Manufacturer's directions for use should be observed because of great diversity of types.

| | | |
|---|---|---|
| Eye protection | : | Tightly fitting safety goggles (chemical goggles). |
| Skin and body protection | : | Body protection must be chosen based on level of activity and exposure. |
| Protective measures | : | Do not inhale dust/fumes/aerosols.<br>Avoid contact with the skin, eyes and clothing.<br>Avoid exposure - obtain special instructions before use.<br>Handle in accordance with good building materials hygiene and safety practice.<br>Wearing of closed work clothing is recommended. |
| Hygiene measures | : | When using, do not eat, drink or smoke.<br>Hands and/or face should be washed before breaks and at the end of the shift.<br>At the end of the shift the skin should be cleaned and skin-care agents applied.<br>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 |
| Colour | : | dark brown |
| Odour | : | slight odour |
| Odour Threshold | : | not determined |
| Melting point/freezing point | : | No data available |
| Boiling point/boiling range | : | No data available |
| Flash point | : | A flash point determination is unnecessary due to the high water content. |
| Evaporation rate | : | No applicable information available. |
| Flammability (liquids) | : | The product is not flammable. |
| Self-ignition | : | The substance or mixture is not classified as self heating. |

| | | |
|---|---|---|
| Upper explosion limit / Upper flammability limit | : | No data available. |
| Lower explosion limit / Lower flammability limit | : | No data available. |
| Vapour pressure | : | No data available |
| Relative vapour density | : | No data available |
| Relative density | : | No data available |
| Density | : | 0.997 g/cm3 (68 °F / 20 °C) |
| Solubility(ies) | | |
| Water solubility | : | partly soluble (59 °F / 15 °C) |
| Solubility in other solvents | : | No applicable information available. |
| Partition coefficient: n-octanol/water | : | not applicable for mixtures |
| Auto-ignition temperature | : | No data 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 | : | The substance or mixture is not classified as oxidizing. |
| Sublimation point | : | No data available |
| Molecular weight | : | Not applicable |
| Metal corrosion rate | : | Not corrosive to metals |

## 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 reac- | : | The product is stable if stored and handled as pre- |

| | | |
|---|---|---|
| tions | | scribed/indicated. |
| Conditions to avoid | : | Temperature < 0 degrees Celsius<br>Temperature > 54 degrees Celsius |
| Incompatible materials | : | Strong acids<br>Strong bases<br>Strong oxidizing agents<br>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 due to lack of data.

**Product:**

| | | |
|---|---|---|
| Acute oral toxicity | : | Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method |

**Components:**

**(Z)-2,2'-(Octadec-9-enylimino)bisethanol:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat, male and female): 1,260 mg/kg<br>Method: OECD Test Guideline 401 |

**Skin corrosion/irritation**

Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation**

**Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified due to lack of data.

**Germ cell mutagenicity**

Not classified due to lack of data.

**Carcinogenicity**

Not classified due to lack of data.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified due to lack of data.

**STOT - single exposure**

Corrosive to the respiratory tract.

**STOT - repeated exposure**

Not classified due to lack of data.

**Aspiration toxicity**

Not classified due to lack of data.

**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**

**Components:**

**(Z)-2,2'-(Octadec-9-enylimino)bisethanol:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

**Persistence and degradability**

**Product:**

Biodegradability : Remarks: Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

**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 | : | Observe national and local legal requirements.<br>Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.<br>The use and processing of this product, or addition of other constituents, may cause it to be considered a hazardous waste.<br>Residues should be disposed of in the same manner as the substance/product. |
| 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**

| | | |
|---|---|---|
| UN number | : | UN 1760 |
| Proper shipping name | : | CORROSIVE LIQUID, N.O.S.<br>((Z)-2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL) |
| Class | : | 8 |
| Packing group | : | II |
| Labels | : | 8 |
| Environmentally hazardous | : | no |

**IATA-DGR**

| | | |
|---|---|---|
| UN/ID No. | : | UN 1760 |
| Proper shipping name | : | Corrosive liquid, n.o.s.<br>((Z)-2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL) |
| Class | : | 8 |
| Packing group | : | II |
| Labels | : | Corrosive |
| Packing instruction (cargo aircraft) | : | 855 |
| Packing instruction (passenger aircraft) | : | 851 |
| Environmentally hazardous | : | yes |

**IMDG-Code**

| | | |
|---|---|---|
| UN number | : | UN 1760 |
| Proper shipping name | : | CORROSIVE LIQUID, N.O.S.<br>((Z)-2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL) |

| | | |
|---|---|---|
| Class | : | 8 |
| Packing group | : | II |
| Labels | : | 8 |
| EmS Code | : | F-A, S-B |
| Marine pollutant | : | yes |

**Transport in bulk according to IMO instruments**

Not applicable for product as supplied.

**National Regulations**

**49 CFR**

| | | |
|---|---|---|
| UN/ID/NA number | : | UN 1760 |
| Proper shipping name | : | Corrosive liquids, n.o.s. ((Z)-2,2'-(OCTADEC-9-ENYLIMINO)BISETHANOL) |
| Class | : | 8 |
| Packing group | : | II |
| Labels | : | CORROSIVE |
| ERG Code | : | 154 |
| Marine pollutant | : | no |

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

**CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the 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 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**Pennsylvania Right To Know**

| | |
|---|---|
| acetic acid | 64-19-7 |
| isobutyl alcohol | 78-83-1 |

**New Jersey Right To Know**

| | |
|---|---|
| acetic acid | 64-19-7 |

**California List of Hazardous Substances**

| | |
|---|---|
| acetic acid | 64-19-7 |

**The components of this product are reported in the following inventories:**

TSCA : Product contains substance(s) not listed on TSCA inventory.

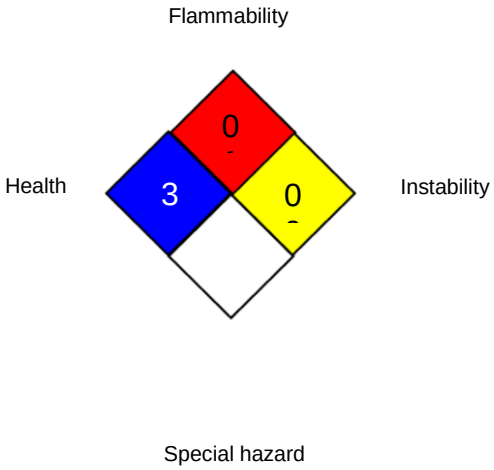
**TSCA list**
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

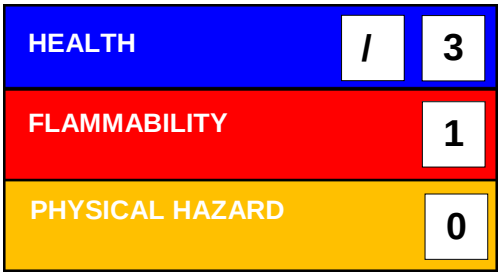
## SECTION 16. OTHER INFORMATION

**Further information**

**NFPA 704:**




**HMIS® IV:**




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**

| | | |
|---|---|---|
| ACGIH | : | USA. ACGIH Threshold Limit Values (TLV) |
| 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 |
| ACGIH / TWA | : | 8-hour, time-weighted average |
| ACGIH / STEL | : | Short-term exposure limit |
| NIOSH REL / TWA | : | Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek |
| NIOSH REL / ST | : | STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday |
| 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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 - Organisation 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; TECI - 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 : 07/28/2023

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.

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