

CLASSIFICATION: CSI Division: 05 40 00 and CSI Division: 09 22 16

created via: HPDC Online Builder

PRODUCT DESCRIPTION: MBA Metal Framing Products. Light Gauge Steel Framing and Finishing Products from a proven industry leading manufacturer. With multiple facilities to support Green building and LEED requirements for owners. This HPD covers the full line of Interior Drywall Framing, Structural Framing, Slotted Tracks, Clips, Connectors, and Finishing products including Masterspec 09 22 16.

**Section 1: Summary**

**Basic Method / Product Threshold**

**CONTENT INVENTORY**

**Inventory Reporting Format**

- Nested Materials Method
- Basic Method

**Threshold Disclosed Per**

- Material
- Product

**Threshold level**

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

**Residuals/Impurities**

- Considered
  - Partially Considered
  - Not Considered
- Explanation(s) provided for Residuals/Impurities?
- Yes  No

Are All Substances Above the Threshold Indicated:

- Characterized**  Yes  No  
Percent Weight and Role Provided?
- Screened**  Yes  No  
Using Priority Hazard Lists with Results Disclosed?
- Identified**  Yes  No  
Name and Identifier Provided?

**CONTENT IN DESCENDING ORDER OF QUANTITY**

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

Number of Greenscreen BM-4/BM3 contents..... 0  
 Contents highest concern GreenScreen  
 Benchmark or List translator Score..... LT-1  
 Nanomaterial..... No

**MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY**  
**GREENSCREEN SCORE | HAZARD TYPE**

**COLD-FORMED STEEL PRODUCTS** [ **STEEL (STEEL)** **NoGS** **ZINC (ZINC)** **LT-P1** | AQU | PHY | END | MUL **HYDROGEN CHLORIDE (HCL) (HYDROGEN CHLORIDE (HCL))** **BM-2** | MAM | SKI | RES **MINERAL OILS (UNTREATED AND MILDLY TREATED OILS) (MINERAL OILS (UNTREATED AND MILDLY TREATED OILS))** **LT-UNK** **SODIUM NITRITE (SODIUM NITRITE)** **LT-P1** | MAM | AQU | PHY | END | MUL **POTASSIUM HYDROXIDE (POTASSIUM HYDROXIDE)** **LT-P1** | MAM | SKI **CHROMIUM (VI) OXIDE (CHROMIUM (VI) OXIDE)** **LT-1** | MAM | SKI | RES | CAN | GEN | AQU | REP | DEL | PHY | MUL **METHYLOXIRANE POLYMER WITH OXIRANE MONOBUTYL ESTER (METHYLOXIRANE POLYMER WITH OXIRANE MONOBUTYL ESTER)** **LT-UNK** **ETHYLENEDIAMINETETRAACETIC ACID (EDTA) (ETHYLENEDIAMINETETRAACETIC ACID (EDTA))** **BM-2** | EYE | MUL **PHOSPHORIC ACID (PHOSPHORIC ACID)** **LT-P1** | SKI **PHOSPHORIC ACID, CHROMIUM(3++) SALT (1:1) (PHOSPHORIC ACID, CHROMIUM(3++) SALT (1:1))** **LT-UNK** ]

**INVENTORY AND SCREENING NOTES:**

**VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

VOC Content data is not applicable for this product category.

**CERTIFICATIONS AND COMPLIANCE** *See Section 3 for additional listings.*

LCA: Environmental Product Declaration (EPD) by SCS

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared  
 VERIFIER:  
 VERIFICATION #:

SCREENING DATE: 2017-11-07  
 PUBLISHED DATE: 2017-11-07  
 EXPIRY DATE: 2020-11-07

## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### COLD-FORMED STEEL PRODUCTS

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: See Section 2: Material Content See Section 5: General Notes

OTHER PRODUCT NOTES:

#### STEEL (STEEL)

ID: 12597-69-2

#: 86.8600 - 99.6000 GS: NoGS RC: PostC NANO: No ROLE: Base Metal Steel (untreated)

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### ZINC (ZINC)

ID: 7440-66-6

#: 0.4000 - 10.0000 GS: LT-P1 RC: None NANO: No ROLE: Protective Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

ACUTE AQUATIC

EU - GHS (H-Statements)

H400 - Very toxic to aquatic life

CHRON AQUATIC

EU - GHS (H-Statements)

H410 - Very toxic to aquatic life with long lasting effects

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H260 - In contact with water releases flammable gases which may ignite spontaneously

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

#### HYDROGEN CHLORIDE (HCL) (HYDROGEN CHLORIDE (HCL))

ID: 7647-01-0

#: 0.0000 - 3.0000

GS: BM-2

RC: None

NANO: No

ROLE: Coatings and Finishing Treatments

| HAZARDS:        | AGENCY(IES) WITH WARNINGS:                    |  |
|-----------------|---|--|
| MAMMALIAN       | EU - R-phrases                                | R23 - Toxic by Inhalation (gas, vapour, dust/mist) |
| SKIN IRRITATION | EU - R-phrases                                | R35 - Causes severe burns                          |
| RESPIRATORY     | AOEC - Asthmagens                             | Asthmagen (Rr) - irritant-induced                  |
| SKIN IRRITATION | EU - GHS (H-Statements)                       | H314 - Causes severe skin burns and eye damage     |
| MAMMALIAN       | EU - GHS (H-Statements)                       | H331 - Toxic if inhaled                            |
| MAMMALIAN       | US EPA - EPCRA Extremely Hazardous Substances | Extremely Hazardous Substances                     |

SUBSTANCE NOTES:

**MINERAL OILS (UNTREATED AND MILDLY TREATED OILS) (MINERAL OILS (UNTREATED AND MILDLY TREATED OILS))**

ID: 8020-83-5

#: 0.0000 - 0.1000

GS: LT-UNK

RC: None

NANO: No

ROLE: Coatings and Finishing Treatments

| HAZARDS:   | AGENCY(IES) WITH WARNINGS:              |  |
|------------|---|--|
| None Found | No warnings found on HPD Priority lists |  |

SUBSTANCE NOTES:

**SODIUM NITRITE (SODIUM NITRITE)**

ID: 7632-00-0

#: 0.0000 - 0.0100

GS: LT-P1

RC: None

NANO: No

ROLE: Coatings and Finishing Treatments

| HAZARDS:                   | AGENCY(IES) WITH WARNINGS:                  |                                       |
|----------------------------|---|---------------------------------------|
| MAMMALIAN                  | EU - R-phrases                              | R25 - Toxic if Swallowed              |
| ACUTE AQUATIC              | EU - R-phrases                              | R50 - Very Toxic to Aquatic Organisms |
| ACUTE AQUATIC              | EU - GHS (H-Statements)                     | H400 - Very toxic to aquatic life     |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements)                     | H272 - May intensify fire; oxidiser   |
| MAMMALIAN                  | EU - GHS (H-Statements)                     | H301 - Toxic if swallowed             |
| ENDOCRINE                  | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor         |
| MULTIPLE                   | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters     |

SUBSTANCE NOTES:

**POTASSIUM HYDROXIDE (POTASSIUM HYDROXIDE)**

ID: 1310-58-3

%: 0.0000 - 0.0100

GS: LT-P1

RC: None

NANO: No

ROLE: Coatings and Finishing Treatments

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R22 - Harmful if Swallowed

SKIN IRRITATION

EU - R-phrases

R35 - Causes severe burns

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES:

**CHROMIUM (VI) OXIDE (CHROMIUM (VI) OXIDE)**

ID: 1333-82-0

%: 0.0000 - 0.0100

GS: LT-1

RC: None

NANO: No

ROLE: Coatings and Finishing Treatments

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

MAMMALIAN

EU - R-phrases

R24 - Toxic in Contact with Skin

MAMMALIAN

EU - R-phrases

R25 - Toxic if Swallowed

MAMMALIAN

EU - R-phrases

R26 - Very Toxic by Inhalation

SKIN IRRITATION

EU - R-phrases

R35 - Causes severe burns

RESPIRATORY

EU - R-phrases

R42 - May cause sensitization by inhalation

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

CANCER

EU - R-phrases

R45 - May cause cancer

GENE MUTATION

EU - R-phrases

R46 - May cause heritable genetic damage

ORGAN TOXICANT

EU - R-phrases

R48: Danger of serious damage to health by prolonged exposure.

ACUTE AQUATIC

EU - R-phrases

R50 - Very Toxic to Aquatic Organisms

REPRODUCTIVE

EU - R-phrases

R62 - Possible risk of impaired fertility

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER

CA EPA - Prop 65

Carcinogen

DEVELOPMENTAL

CA EPA - Prop 65

Developmental toxicity

REPRODUCTIVE

CA EPA - Prop 65

Reproductive Toxicity - Female

REPRODUCTIVE

CA EPA - Prop 65

Reproductive Toxicity - Male

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

US NIH - Report on Carcinogens

Known to be a human Carcinogen

CANCER

EU - SVHC Authorisation List

Carcinogenic - Banned unless Authorised

GENE MUTATION

EU - SVHC Authorisation List

Mutagenic - Banned unless Authorised

|                            |   |  |
|----------------------------|---|--|
| ACUTE AQUATIC              | EU - GHS (H-Statements)                     | H400 - Very toxic to aquatic life  |
| CHRON AQUATIC              | EU - GHS (H-Statements)                     | H410 - Very toxic to aquatic life with long lasting effects                              |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements)                     | H271 - May cause fire or explosion; strong oxidiser                                      |
| MAMMALIAN                  | EU - GHS (H-Statements)                     | H301 - Toxic if swallowed  |
| MAMMALIAN                  | EU - GHS (H-Statements)                     | H311 - Toxic in contact with skin  |
| SKIN IRRITATION            | EU - GHS (H-Statements)                     | H314 - Causes severe skin burns and eye damage   |
| SKIN SENSITIZE             | EU - GHS (H-Statements)                     | H317 - May cause an allergic skin reaction   |
| MAMMALIAN                  | EU - GHS (H-Statements)                     | H330 - Fatal if inhaled  |
| RESPIRATORY                | EU - GHS (H-Statements)                     | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled         |
| GENE MUTATION              | EU - GHS (H-Statements)                     | H340 - May cause genetic defects   |
| CANCER                     | EU - GHS (H-Statements)                     | H350 - May cause cancer  |
| CANCER                     | EU - GHS (H-Statements)                     | H350i - May cause cancer by inhalation   |
| REPRODUCTIVE               | EU - GHS (H-Statements)                     | H361f - Suspected of damaging fertility  |
| ORGAN TOXICANT             | EU - GHS (H-Statements)                     | H372 - Causes damage to organs through prolonged or repeated exposure                    |
| CANCER                     | EU - REACH Annex XVII CMRs                  | Carcinogen Category 1 - Substances known to be Carcinogenic to man                       |
| GENE MUTATION              | EU - REACH Annex XVII CMRs                  | Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man |
| MULTIPLE                   | ChemSec - SIN List                          | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                                     |
| MULTIPLE                   | German FEA - Substances Hazardous to Waters | Class 3 - Severe Hazard to Waters  |
| CANCER                     | MAK   | Carcinogen Group 1 - Substances that cause cancer in man                                 |
| SKIN SENSITIZE             | MAK   | Sensitizing Substance Sh - Danger of skin sensitization                                  |
| CANCER                     | Korea - GHS                                 | Carcinogenicity - Category 1 [H350 - May cause cancer]                                   |
| CANCER                     | EU - Annex VI CMRs                          | Carcinogen Category 1A - Known human Carcinogen based on human evidence                  |
| GENE MUTATION              | EU - Annex VI CMRs                          | Mutagen - Category 1B  |
| GENE MUTATION              | New Zealand - GHS                           | 6.6A - Known or presumed human mutagens  |
| CANCER                     | New Zealand - GHS                           | 6.7A - Known or presumed human carcinogens   |
| REPRODUCTIVE               | New Zealand - GHS                           | 6.8A - Known or presumed human reproductive or developmental toxicants                   |
| CANCER                     | Japan - GHS                                 | Carcinogenicity - Category 1A  |
| GENE MUTATION              | Japan - GHS                                 | Germ cell mutagenicity - Category 1B   |
| REPRODUCTIVE               | Japan - GHS                                 | Toxic to reproduction - Category 1B  |
| GENE MUTATION              | MAK   | Germ Cell Mutagen 2  |
| CANCER                     | Australia - GHS                             | H350 - May cause cancer  |

SUBSTANCE NOTES:

**METHYLOXIRANE POLYMER WITH OXIRANE MONOBUTYL ESTER  
(METHYLOXIRANE POLYMER WITH OXIRANE MONOBUTYL ESTER)**

ID: 9038-95-3

#: **0.0000 - 0.0100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Coatings and Finishing Treatments**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**ETHYLENEDIAMINETETRAACETIC ACID (EDTA)  
(ETHYLENEDIAMINETETRAACETIC ACID (EDTA))**

ID: 60-00-4

#: **0.0000 - 0.0100** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Coatings and Finishing Treatments**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES:

**PHOSPHORIC ACID (PHOSPHORIC ACID)**

ID: 7664-38-2

#: **0.0000 - 0.0100** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Coatings and Finishing Treatments**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

SKIN IRRITATION

EU - GHS (H-Statements)

H314 - Causes severe skin burns and eye damage

SUBSTANCE NOTES:

**PHOSPHORIC ACID, CHROMIUM(3++) SALT (1:1) (PHOSPHORIC ACID,  
CHROMIUM(3++) SALT (1:1))**

ID: 7789-04-0

#: **0.0000 - 0.0100** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Coatings and Finishing Treatments**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

## Section 3: Certifications and Compliance

*This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.*

### LCA

### Environmental Product Declaration (EPD) by SCS

|   |                        |                         |                                       |
|---|------------------------|-------------------------|---------------------------------------|
| CERTIFYING PARTY: Third Party   | ISSUE DATE: 2016-08-01 | EXPIRY DATE: 2021-07-31 | CERTIFIER OR LAB: SCS Global Services |
| APPLICABLE FACILITIES: Libertyville, IL Dallas, TX Rainbow City, AL Frackville, PA  |                        |                         |                                       |
| CERTIFICATE URL:<br><a href="https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=37979">https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=37979</a> |                        |                         |                                       |
| CERTIFICATION AND COMPLIANCE NOTES:   |                        |                         |                                       |

## Section 4: Accessories

*This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.*

No accessories are required for this product.

## Section 5: General Notes

Products produced by MBA are classified as non hazardous per OSHA GHS 29 CFR 1910, 1915, 1926. Processes such as cutting, welding or brazing to modify or install the product can result in hazardous and/or combustible dust or fumes. Operations with potential for producing high concentrations of airborne particulates or fumes should be evaluated and measured as necessary. Eye Protection - Use safety glasses. Dust resilient safety goggles are recommended under circumstances where particles could cause injury such as grinding or cutting. Face shield should be used when welding or cutting. Skin - Appropriate protective gloves should be worn as necessary. Good personal hygiene practices should be followed including cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing. Respiratory Protection - NIOSH/MSHA approved dust/fume/mist respirator should be used to avoid excessive exposure. If such concentrations are sufficiently high that this respirator is inadequate, or high enough to cause oxygen deficiency, use a positive pressure self-contained breathing apparatus (SCBA). Follow all applicable respirator use, fitting, and training standards and regulations. Ventilation - Provide general and/or local exhaust ventilation to control airborne levels of dust or fumes below exposure limits. Exposure Guidelines - No permissible exposure limits (PEL) or threshold limit values (TLV) exist for steel. Some grades of steel will contain different combinations of these elements. Trace elements may also be present in minute amounts.

## MANUFACTURER INFORMATION

MANUFACTURER: **MBA Building Supplies**

ADDRESS: **2200 Tempel Drive**

**Libertyville IL 60048, US**

WEBSITE: **www.mbastuds.com**

CONTACT NAME: **Technical Services**

TITLE: **Technical Services**

PHONE: **(847)680-7773**

EMAIL: **sales@mbastuds.com**

## KEY

**OSHA MSDS**

Occupational Safety and Health Administration Material Safety Data Sheet

**GHS SDS**

Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

## Hazard Types

**AQU** Aquatic toxicity

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

## GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**BM-3** Benchmark 3 (use but still opportunity for improvement)

**BM-2** Benchmark 2 (use but search for safer substitutes)

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

**NoGS** Unknown (no data on List Translator Lists)

## Recycled Types

**PreC** Preconsumer (Post-Industrial)

**PostC** Postconsumer

**Both** Both Preconsumer and Postconsumer

**Unk** Inclusion of recycled content is unknown

**None** Does not include recycled content

## Other Terms

### Inventory Methods:

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material

**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product

**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology

**Third Party Verified** Verification by independent certifier approved by HPDC

**Preparer** Third party preparer, if not self-prepared by manufacturer

**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*



- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*