

CLASSIFICATION: 23 31 13

created via: HPDC Online Builder

PRODUCT DESCRIPTION: This HPD is provided for HVAC ductwork manufactured from high quality galvanized sheet metal. Duct sealants, insulation and insulation adhesives have been excluded from this HPD.

## Section 1: Summary

## Nested 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

Residuals/Impurities Considered in 4 of 4 Materials

#### Explanation(s) provided for Residuals/Impurities?

- Yes  No

Are All Substances Above the Threshold Indicated:

#### Characterized

Percent Weight and Role Provided?

- Yes  No

#### Screened

Using Priority Hazard Lists with Results Disclosed?

- Yes  No

#### Identified

Name and Identifier Provided?

- Yes  No

### 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.

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

GALVANIZED STEEL [ STEEL (STEEL) **NoGS** ZINC (ZINC) **LT-P1** | AQU | END | MUL | PHY ] MIG WIRE [ MANGANESE (MANGANESE) **LT-P1** | END | MUL | REP COPPER (COPPER) **LT-UNK** CHROMIUM (CHROMIUM) **LT-P1** | RES | END | SKI MOLYBDENUM (MOLYBDENUM) **LT-UNK** NICKEL (NICKEL) **LT-1** | CAN | RES | SKI | MAM | MUL SILICON (SILICON) **LT-UNK** CARBON (CARBON) **LT-UNK** SULFUR (SULFUR) **LT-UNK** | SKI VANADIUM (VANADIUM) **LT-1** | MUL | CAN | GEN PHOSPHORUS (PHOSPHORUS) **BM-2** | MAM | PHY TITANIUM (TITANIUM) **LT-UNK** ALUMINUM (ALUMINUM) **LT-P1** | RES | END | PHY ] PROPRIETARY GASKET [ CALCIUM CARBONATE (CALCIUM CARBONATE) **BM-3** BUTYL RUBBER (BUTYL RUBBER) **LT-UNK** ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE) **BM-2** | RES DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY PARAFFINIC (9CI) (DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY PARAFFINIC (9CI)) **LT-1** | CAN | MUL ] PAINT [ ACETONE (ACETONE) **LT-P1** | EYE | END | DEL | PHY BUTYL ACETATE (BUTYL ACETATE) **LT-UNK** PROPANE (PROPANE) **LT-UNK** | PHY BUTANE (BUTANE) **LT-P1** | GEN | CAN | PHY XYLENES (XYLENES) **BM-1** | SKI | END | MUL | REP ALUMINUM (ALUMINUM) **LT-P1** | RES | END | PHY ETHYLBENZENE (ETHYLBENZENE) **BM-2** | CAN | MAM | SKI | REP | PHY STODDARD SOLVENT (STODDARD SOLVENT) **LT-1** | MAM | GEN | CAN | MUL ]

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

### 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.*

Recycled content: ISO 14021:2001

### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-02-06  
PUBLISHED DATE: 2018-03-16  
EXPIRY DATE: 2021-02-06

- Yes
- No

## 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)

### GALVANIZED STEEL

%: **75.0000 - 90.0000**

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Material is estimated to have no residuals/impurities over 100 ppm based off supplier information.

OTHER MATERIAL NOTES: Metal coated steel as sold/shipped in its physical form does not present an inhalation, ingestion or contact hazard. However, operations such as burning, welding (high temperature), sawing, brazing, machining, grinding, etc. may produce fumes and/or particulates. Semi-formed steel products are considered articles under Reach regulation (REACH REGULATION (EC) No 1907/2006) and are not subject to classification under CLP regulation (REGULATION (EC) No 1272/2008).

### STEEL (STEEL)

ID: **12597-69-2**

%: **99.1300 - 99.9000** GS: **NoGS** RC: **Both** NANO: **No** ROLE: **Primary material for Galvanized Metal**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

### ZINC (ZINC)

ID: **7440-66-6**

%: **0.7900 - 0.9100** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Coatings & Finishing Treatments**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

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

SUBSTANCE NOTES: Primary material in the coating of Galvanized Metal. Galvanizing is the process of applying a protective zinc coating to steel to prevent rusting. The galvanized metal ducts are manufactured from steel sheets that have been hot-dipped by submerging the steel sheets in a bath of molten zinc.

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Material is estimated to have no residuals/impurities over 100 ppm based off supplier information.

OTHER MATERIAL NOTES: MIG Wire is used for butt and fillet welding of galvanized metal ductwork segments. The MIG wire is used in conjunction with an inert gas blend of 86% argon, 12% carbon dioxide, and 2% oxygen. The MIG wire features excellent tolerance of rust and scale, and produces the highest deposit strength of all the high carbon steel MIG wires. Welding fumes and gases cannot be classified simply. The composition and quantity of both are dependent upon the metal being welded, the process, procedure and welding consumables used. Other conditions which also influence the composition and quantity of the fumes and gases to which workers may be exposed include: coating on the metal being welded (i.e. paint, painting, galvanizing), the number of welders, the volume of the work area, the quality and the amount of ventilation, the position of the welders head with respect to the fume plume, as well as the presence of contaminants in the atmosphere (such as chlorinated hydrocarbon vapors from the cleaning and degreasing activities). When an electrode is consumed, the fume and gas decomposition products generated are different in percent and form from the ingredients listed in Section 3. Fume and gas decomposition, and not the ingredients in the electrode, are important. The concentration of a given fume or gas component may decrease or increase by many times the original concentration. Also, new compounds not in the electrodes may form. Decomposition products of normal operation include those originating from the volatilization, reaction or oxidation of the materials shown in Section 3, plus those from the base metal coating, etc., as noted above. Reasonable expected fume constituents of this product would include: Complex oxides of iron, manganese, silicon, chromium, nickel, columbium, molybdenum, copper, carbon dioxide, carbon monoxide, ozone and nitrogen Oxides. Some products will also contain antimony, barium, molybdenum, aluminum, columbium, magnesium, strontium, tungsten, and or zirconium. Fume limit for chromium, nickel and or manganese may be reached before limit of 5 mg/m3 of general welding fumes is reached. Gaseous reaction products may include carbon monoxide and carbon dioxide. Ozone and nitrogen oxides may be formed by the radiation from the arc. Determine the composition and quantity of fumes and gases to which workers are exposed by taking an air sample from inside the welder's helmet if worn or in the worker's breathing zone. Improve ventilation if exposures are not below limits.

**MANGANESE (MANGANESE)**

ID: 7439-96-5

#: 1.1400 - 2.0000      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Primary material in MIG wire**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: See Material Notes.

**COPPER (COPPER)**

ID: 7440-50-8

#: 0.3000 - 0.5000      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Primary material in MIG wire**

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

SUBSTANCE NOTES: See Material Notes.

### CHROMIUM (CHROMIUM)

ID: 7440-47-3

%: **0.1500 - 0.5000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Primary material in MIG wire**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: See Material Notes.

### MOLYBDENUM (MOLYBDENUM)

ID: 7439-98-7

%: **0.1500 - 0.1500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Primary material in MIG wire**

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

SUBSTANCE NOTES: See Material Notes.

### NICKEL (NICKEL)

ID: 7440-02-0

%: **0.1500 - 0.1500** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Primary material in MIG wire**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
SUBSTANCE NOTES: See Material Notes.		

**SILICON (SILICON)**

ID: **7440-21-3**

%: <b>0.1000 - 1.1500</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Primary material in MIG wire</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: See Material Notes.				

**CARBON (CARBON)**

ID: **7440-44-0**

%: <b>0.0600 - 0.1500</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Primary material in MIG wire</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: See Material Notes.				

**SULFUR (SULFUR)**

ID: **7704-34-9**

%: <b>0.0350 - 0.0350</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Primary material in MIG wire</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation		
SUBSTANCE NOTES: See Material Notes.				

**VANADIUM (VANADIUM)**

ID: **7440-62-2**

%: <b>0.0300 - 0.0300</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Primary material in MIG wire</b>
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters		
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man		
GENE MUTATION	MAK	Germ Cell Mutagen 2		

SUBSTANCE NOTES: See Material Notes.

**PHOSPHORUS (PHOSPHORUS)**

ID: **7723-14-0**

#: **0.0250 - 0.1500** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Primary material in MIG wire**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN US EPA - EPCRA Extremely Hazardous Substances Extremely Hazardous Substances

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H228 - Flammable solid

SUBSTANCE NOTES: See Material Notes.

**TITANIUM (TITANIUM)**

ID: **7440-32-6**

#: **0.0000 - 0.1700** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Primary material in MIG wire**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

**ALUMINUM (ALUMINUM)**

ID: **7429-90-5**

#: **0.0000 - 0.1500** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Primary material in MIG wire**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H228 - Flammable solid

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE) EU - GHS (H-Statements) H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: See Material Notes.

**PROPRIETARY GASKET**

#: **2.0000 - 5.0000**

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Material is estimated to have no residuals/impurities over 100 ppm based off supplier

information.

OTHER MATERIAL NOTES: Synthetic, closed cell, rubber-based gasket. Gasket is designed for use with 4 bolt duct connection systems. This is most commonly used for breakaway connections near all Fire Dampers.

### CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

#: **20.0000 - 60.0000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Mineral Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

### BUTYL RUBBER (BUTYL RUBBER)

ID: 9010-85-9

#: **10.0000 - 20.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Rubber component**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Butyl rubber is a synthetic rubber produced by polymerization of about 98% of isobutylene with about 2% of isoprene. Butyl rubber has excellent impermeability, and the long polyisobutylene segments of its polymer chains give it good flex properties.

### ALUMINA TRIHYDRATE (ALUMINA TRIHYDRATE)

ID: 21645-51-2

#: **5.0000 - 10.0000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Fire Retardant Filler/Smoke Suppressant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: See Material Notes.

### DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY PARAFFINIC (9CI) (DISTILLATES (PETROLEUM), SOLVENT-REFINED (MILD) HEAVY PARAFFINIC (9CI))

ID: 64741-88-4

#: **5.0000 - 10.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Process Oil**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based



CANCER

Australia - GHS

H350 - May cause cancer

SUBSTANCE NOTES: See Material Notes.

**PAINT**

**%: 0.0150 - 0.0250**

**HPD URL:**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Material is estimated to have no residuals/impurities over 100 ppm based off supplier information.

OTHER MATERIAL NOTES: Product is used over welded seams when duct work is visible. Product is an all purpose spray paint designed to provide a durable protective coating that resists fading, chipping and peeling. Sprays apply easily and dry fast to a tough attractive finish.

**ACETONE (ACETONE)**

ID: **67-64-1**

**%: 25.0000 - 50.0000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Solvent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

DEVELOPMENTAL

MAK

Pregnancy Risk Group B

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: See Material Notes.

**BUTYL ACETATE (BUTYL ACETATE)**

ID: **123-86-4**

**%: 10.0000 - 25.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Solvent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: See Material Notes.

**PROPANE (PROPANE)**

ID: **74-98-6**

**%: 10.0000 - 25.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Propellant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H220 - Extremely flammable gas

SUBSTANCE NOTES: See Material Notes.

### BUTANE (BUTANE)

ID: 106-97-8

%: **2.5000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Propellant**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
GENE MUTATION	Australia - GHS	H340 - May cause genetic defects
CANCER	Australia - GHS	H350 - May cause cancer
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H220 - Extremely flammable gas

SUBSTANCE NOTES: See Material Notes.

### XYLENES (XYLENES)

ID: 1330-20-7

%: **2.5000 - 10.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Solvent**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B

SUBSTANCE NOTES: See Material Notes.

### ALUMINUM (ALUMINUM)

ID: 7429-90-5

%: **2.5000 - 10.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Pigment in Finish Coat**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: See Material Notes.

**ETHYLBENZENE (ETHYLBENZENE)**ID: **100-41-4**

%: <b>1.0000 - 2.5000</b>	GS: <b>BM-2</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Solvent</b>
---------------------------	-----------------	-----------------	-----------------	----------------------

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H225 - Highly flammable liquid and vapour

SUBSTANCE NOTES: See Material Notes.

**STODDARD SOLVENT (STODDARD SOLVENT)**ID: **8052-41-3**

%: <b>1.0000 - 2.5000</b>	GS: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Solvent</b>
---------------------------	-----------------	-----------------	-----------------	----------------------

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure
CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are 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	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	Malaysia - GHS	H340 - May cause genetic defects
CANCER	Malaysia - GHS	H350 - May cause cancer
GENE MUTATION	Australia - GHS	H340 - May cause genetic defects
CANCER	Australia - GHS	H350 - May cause cancer

## 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.*

### RECYCLED CONTENT

### ISO 14021:2001

CERTIFYING PARTY: Self-declared	ISSUE DATE: 2017-03-16	EXPIRY DATE:	CERTIFIER OR LAB: Wheeling-Nisshin
APPLICABLE FACILITIES: All products sold by Wheeling-Nisshin are coated in Follansbee, West Virginia, U.S.A. and the base metal is purchased by Wheeling-Nisshin from steel companies within the United States.			
CERTIFICATE URL: <a href="http://www.wheeling-nisshin.com/questions#q14">http://www.wheeling-nisshin.com/questions#q14</a>			

CERTIFICATION AND COMPLIANCE NOTES: Wheeling-Nisshin purchases cold rolled steel which is produced by several domestic manufacturers. These manufacturers have the ability to make steel with either an electric arc furnace or the basic oxygen process. Both of these steel making techniques use a minimum of 25 percent recycled steel content.

## 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.*

### DUCT INSULATION, ADHESIVES AND SEALANTS

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Based on the building and mechanical system design, various types of duct insulation, adhesives and sealants may be specified.

## Section 5: General Notes

Since 1992, All-City has been in the business of manufacturing chutes, chutes doors, duct work and specialty metal fabrications. We provide top-of-the-line style, performance and durability, and proudly design and manufacture ALL our products in the U.S.A.

## Section 6: References

# MANUFACTURER INFORMATION

MANUFACTURER: **All-City Metal**  
ADDRESS: **54-35 46th Street**  
**Maspeth New York 11378, United States**  
WEBSITE: **http://www.allcitymetal.com**

CONTACT NAME: **Alicia Barreto**  
TITLE: **Executive Assistant**  
PHONE: **8886825757**  
EMAIL: **esales@allcitymetal.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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

## GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

## 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.*