# SAFETY DATA SHEET



# 1. Identification

Product identifier	Galvanized HSLA Steel
Other means of identification	
SDS number	WS006
Recommended use	Not available.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/I	Distributor information
Manufacturer/Supplier	The Worthington Steel Company
Address	200 Old Wilson Bridge Road
	Columbus, OH 43085
	United States
Email:	steel@worthingtonindustries.com
Telephone Number:	800-944-3733
CHEMTREC - 24 HOURS:	Within US: 800-424-9300 International: +1 703-741-5970
	(collect calls accepted)

# 2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	None.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash thoroughly after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	Molten material will produce thermal burns.

# 3. Composition/information on ingredients

## Substances

Chemical name	Common name and synonyms	CAS number	%
Iron		7439-89-6	>90
Manganese		7439-96-5	0-1.7
Chromium		7440-47-3	0-0.5
Carbon		7440-44-0	0-0.3
Titanium		7440-32-6	0-0.3
Copper		7440-50-8	0-0.2
Nickel		7440-02-0	0-0.2

Niobium	7440-03-1	0-0.2	-
Vanadium	7440-62-2	0-0.2	-
Aluminium	7429-90-5	0-0.1	-
Molybdenum	7439-98-7	0-0.1	-
Tin	7440-31-5	0-0.1	-
Sulfur	7704-34-9	0-0.05	-
Phosphorus	7723-14-0	0-0.04	-
Lead	7439-92-1	0-0.01	-
Metallic Coating			_
Chemical name	CAS number	%	
Zinc	7440-66-6	0.2 - 9.1	_
Iron	7439-89-6	0 - 0.09	-
Aluminum	7429-90-5	0 - 0.06	-
Antimony	7440-36-0	0 - 0.01	-
Lead	7439-92-1	0 - 0.004	-
Composition comments	All concentrations are in percent by weight unless ingredient is a gas. percent by volume.	Gas concentrations a	are in
4. First-aid measures			
nhalation	Contact with dust or fume: Immediately remove from further exposure assistance. For those providing assistance, avoid exposure to yourse	If or others. Use adeq	uate
	assistance. For those providing assistance, avoid exposure to yourse respiratory protection. Give supplemental oxygen, if available. If breat ventilation with a mechanical device or use mouth-to-mouth resuscita Wash with soap and water. Get medical attention if irritation develops Flush with water immediately. While flushing, remove clothes which d area. Call an ambulance. Continue flushing during transport to hospita	If or others. Use adeq thing has stopped, as tion. and persists. Therma lo not adhere to affect	juate sist al bur ed
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# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Wear protective clothing as described in Section 8 of this SDS. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods and materials for containment and cleaning up	Pick up mechanically. For a dry material spill, use a HEPA (high efficiency particle air) vacuum to collect material and place in a sealable container for disposal. Avoid dust formation. Recover and recycle, if practical. Keep out of water supplies and sewers.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).
7. Handling and storage	
Precautions for safe handling	Wear appropriate personal protective equipment (See Section 8). Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Avoid

to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Avoid inhalation of dust and fumes. Avoid contact with skin and eyes. Avoid contact with sharp edges and hot surfaces. Do not get this material on clothing. Do not eat, drink or smoke when using the product. Wash thoroughly after handling. Follow the recommendations in ANSI Z49.1, Safety in welding and cutting (ANSI=American National Standard Institute). Steel products are massive and care must be taken to prevent them from falling, rolling or tipping on objects in their path. Store away from incompatible materials.

Conditions for safe storage, including any incompatibilities

# 8. Exposure controls/personal protection

## **Occupational exposure limits**

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Туре	Value 0.05 mg/m3	
Lead (CAS 7439-92-1)	TWA		
US. OSHA Table Z-1 Limits for Air	Contaminants (29 CFR 1910.1000)	-	
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	PEL	5 mg/m3	Respirable dust.
		15 mg/m3	Total dust.
Chromium (CAS 7440-47-3)	PEL	1 mg/m3	
Copper (CAS 7440-50-8)	PEL	1 mg/m3	Dust and mist.
		0.1 mg/m3	Fume.
Manganese (CAS 7439-96-5)	Ceiling	5 mg/m3	Fume.
Molybdenum (CAS 7439-98-7)	PEL	15 mg/m3	Total dust.
Nickel (CÁS 7440-02-0)	PEL	1 mg/m3	
Phosphorus (CAS 7723-14-0)	PEL	0.1 mg/m3	
Tin (CAS 7440-31-5)	PEL	2 mg/m3	
Metallic Coating	Туре	Value	Form
Antimony (CAS 7440-36-0)	PEL	0.5 mg/m3	
Aluminum (CAS 7429-90-5)	PEL	5 mg/m3	Respirable dust.
		15 mg/m3	Total dust.
US. OSHA Table Z-3 (29 CFR 1910.	1000)		
Components	Туре	Value	Form
Carbon (CAS 7440-44-0)	TWA	5 mg/m3	Respirable fraction.
· · · ·		15 mg/m3	Total dust.
ACGIH			
Components	Туре	Value	Form
Copper (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
		0.2 mg/m3	Fume.

# **US. ACGIH Threshold Limit Values**

Components	Туре	)	١	/alue	Form
Aluminium (CAS 7429-90-5)	TWA	4	1	mg/m3	Respirable fraction.
Carbon (CAS 7440-44-0)	TWA	L .	2	2 mg/m3	Respirable fraction.
Chromium (CAS 7440-47-3)	TWA	L Contraction of the second seco	C	).5 mg/m3	
Lead (CAS 7439-92-1)	TWA	L .	C	).05 mg/m3	
Nickel (CAS 7440-02-0)	TWA	L	1	.5 mg/m3	Inhalable fraction.
Phosphorus (CAS 7723-14-0)	TWA	L.		).1 mg/m3	
Tin (CAS 7440-31-5)	TWA		2	2 mg/m3	
Metallic Coating	Туре	)	١	/alue	Form
Antimony (CAS 7440-36-0)	TWA		(	).5 mg/m3	
Aluminum (CAS 7429-90-5)	TWA	L .	1	mg/m3	Respirable fraction.
US. NIOSH: Pocket Guide	to Chemical Hazards				
Components	Туре	)	١	/alue	Form
Aluminium (CAS 7429-90-5)	TWA	L	5	5 mg/m3	Respirable.
				5 mg/m3	Welding fume or pyrophoric powder.
				0 mg/m3	Total
Carbon (CAS 7440-44-0)	TWA		2	2.5 mg/m3	Respirable.
Chromium (CAS 7440-47-3)	TWA	L .	C	).5 mg/m3	
Copper (CAS 7440-50-8)	TWA	L Contraction of the second seco	1	mg/m3	Dust and mist.
Lead (CAS 7439-92-1)	TWA	L Contraction of the second seco	C	).05 mg/m3	
Manganese (CAS 7439-96-5)	STE	L	3	3 mg/m3	Fume.
	TWA			mg/m3	Fume.
Nickel (CAS 7440-02-0)	TWA			).015 mg/m3	
Phosphorus (CAS 7723-14-0)	TWA			).1 mg/m3	
Tin (CAS 7440-31-5)	TWA			2 mg/m3	
Vanadium (CAS 7440-62-2)				3 mg/m3	
	TWA		1	mg/m3	_
Metallic Coating	Туре	<b>;</b>	<u> </u>	/alue	Form
Antimony (CAS 7440-36-0)	TWA			).5 mg/m3	
Aluminum (CAS 7429-90-5)	TWA			5 mg/m3	Welding fume or pyrophoric powder.
			5	5 mg/m3	Respirable.
			1	0 mg/m3	Total
ogical limit values ACGIH Biological Exposu	re Indices				
Components	Value	Determinant	Specimen	Sampling Ti	me
Lead (CAS 7439-92-1)	300 µg/l	Lead	Blood	*	
* - For sampling details, plea	ase see the source doc	ument.			

Appropriate engineering Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust. Keep melting/soldering temperatures as low as possible to minimize the generation of fume. Shower, hand and eye washing facilities near the workplace are recommended. Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Wear a face shield when working with molten material. **Skin protection** Hand protection Wear protective gloves (i.e. latex, nitrile, neoprene). Other Chemical resistant clothing is recommended.

controls

Respiratory protection	Use a respirator when local exhaust or ventilation is not adequate to keep exposures below the OEL. In a confined space a supplied respirator may be required. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
Thermal hazards	Heat resistant/insulated gloves and clothing are recommended when working with molten material.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

5. Thysical and chemical p	bioper lies
Appearance	Shiny metallic solid.
Physical state	Solid.
Form	Solid.
Color	Not available.
Odor	Odorless.
Odor threshold	Not available.
рН	Not applicable.
Melting point/freezing point	2400 - 2800 °F (1315.56 - 1537.78 °C) Base metal 800 - 900 °F (426.67 - 482.22 °C) Coating
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	
Flammability limit - lower (%)	Not applicable.
Flammability limit - upper (%)	Not applicable.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	7.5 - 8.5
Solubility(ies)	
Solubility (water)	Not soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Percent volatile	0
10. Stability and reactivity	

# ReactivityThe product is non-reactive under normal conditions of use, storage and transport.Chemical stabilityMaterial is stable under normal conditions.Possibility of hazardous<br/>reactionsHazardous polymerization does not occur.Conditions to avoidContact with incompatible materials. Avoid molten metal contact with water.Incompatible materialsAcids. Bases. Strong oxidizing agents.Hazardous decomposition<br/>productsToxic metal oxides are emitted when heated above the melting point.

# 11. Toxicological information

## Information on likely routes of exposure

Inhalation	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the mucous membranes and respiratory tract. Lung damage and possible pulmonary edema can result from dust exposure. Inhalation of fumes may cause a flu-like illness called metal fume fever.
Skin contact	Dust may irritate skin. Contact with molten material may cause thermal burns.
Eye contact	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye.
Ingestion	Ingestion of dusts generated during working operations may cause nausea and vomiting.
Symptoms related to the physical, chemical and toxicological characteristics	Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the eye, mucous membranes and respiratory tract. Contact with molten material may cause thermal burns.

## Information on toxicological effects

Acute toxicity When heated, the vapors/fumes given off may cause respiratory tract irritation. High concentrations of freshly formed fumes/dusts of metal oxides can produce symptoms of metal fume fever.

Components	Species	Test Results
Aluminium (CAS 7429-90-5)		
Acute		
Inhalation		
LC50	Rat	> 0.888 mg/l, 4 Hours
Oral		
LD50	Rat	9 g/kg
Carbon (CAS 7440-44-0)		
Acute		
Inhalation		
LC50	Rat	> 2000 mg/m3, 4 hours
Iron (CAS 7439-89-6)		
Acute		
Inhalation		
LC50	Rat	> 100 mg/m3, 6 hours
LD50	Rat	> 5 mg/kg
Oral		
LD50	Rat	98.6 g/kg
Manganese (CAS 7439-96-5)		
Acute		
Inhalation		
LC50/LC90	Rat	> 1500 mg/kg
Oral		
LD50	Rat	9000 mg/kg
Nickel (CAS 7440-02-0)		
Acute		
Oral		
LD50	Rat	> 9000 mg/kg
Sulfur (CAS 7704-34-9)		
Acute		
Dermal		/
LD50	Rat	> 2000 mg/kg, 24 Hours
Inhalation		
LC50	Rat	> 5.43 g/m3, 4 Hours

Components	Species	Test Results	
Oral LD50	Rat	> 2200 mg/kg	
Metallic Coating	Species	Test Results	
Aluminum (CAS 7429-90-5)			
Acute			
Inhalation			
LC50	Rat	> 0.888 mg/l, 4 hours	
Iron (CAS 7439-89-6)			
Acute			
Inhalation			
LC50	Rat	> 100 mg/m3, 6 hours	
LD50	Rat	> 5 mg/kg	
Oral	_		
LD50	Rat	98.6 g/kg	
Zinc (CAS 7440-66-6)			
Acute			
Inhalation LC50	Rat	> 5410 mg/m3	
		> 54 TO HIG/HIS	
Skin corrosion/irritation	Dust may irritate skin.		
Serious eye damage/eye irritation	Elevated temperatures or med the eye.	hanical action may form dust and fumes which may be irritating to	
Respiratory or skin sensitization			
Respiratory sensitization	No sensitizing effects known.		
Skin sensitization	Prolonged contact with metallic dust or fumes may cause an allergic skin reaction in sensitized individuals.		
Germ cell mutagenicity	No data available.		
Carcinogenicity	Suspected of causing cancer. The International Agency for Research on Cancer (IARC). The National Toxicology Program (NTP) and OSHA do not list steel products as carcinogens. Steel products contain alloying elements and/or residual elements that are suspected or confirmed human carcinogens (e.g. chromium, nickel). IARC identifies welding fumes as a group 2B carcinogen, a mixture that is possibly carcinogenic to humans. Welding fumes are difficult to classify because the composition and quantity are dependent upon the alloy being welded, electrodes used, and process.		
IARC Monographs. Overall E	-		
Chromium (CAS 7440-47- Lead (CAS 7439-92-1) Nickel (CAS 7440-02-0) NTP Report on Carcinogens		<ul><li>3 Not classifiable as to carcinogenicity to humans.</li><li>2B Possibly carcinogenic to humans.</li><li>2B Possibly carcinogenic to humans.</li></ul>	
Lead (CAS 7439-92-1)		Reasonably Anticipated to be a Human Carcinogen.	
Nickel (CAS 7440-02-0)		Reasonably Anticipated to be a Human Carcinogen.	
	d Substances (29 CFR 1910.10	01-1050)	
Not listed.	<b>0</b>		
Reproductive toxicity	Suspected of damaging fertility		
Specific target organ toxicity - single exposure	May cause irritation of respirat	ory tract.	
Specific target organ toxicity - repeated exposure	Causes damage to organs () through prolonged or repeated exposure.		
Aspiration hazard	Not relevant, due to the form of	f the product.	
Chronic effects	Prolonged and repeated overexposure to dust can lead to benign pneumoconiosis. Chronic exposure to breathing low levels of manganese dust or fume over a long period of time can result in "manganism," a disease of the central nervous system similar to Parkinson's Disease, gait impairment, muscle spasms and behavioral changes.		
Further information	Steel products may be coated with oil based products to prevent rust. Rust preventive oils are generally applied at customer request and usually contains severely hydrotreated light and heavy naphthenic oils. Prolonged contact with rust preventive oil may cause dermatitis.		
Galvanized HSLA Steel	-	SDS U	

# 12. Ecological information

Ecotoxicity	Alloys in massive forms present a limited hazard for the environment.				
Components	Species Test Results		Test Results		
Phosphorus (CAS 7723-14-0	))				
Aquatic					
Crustacea	EC50	Water flea (Daphnia magna)	0.025 - 0.037 mg/l, 48 hours		
Fish	LC50	Bluegill (Lepomis macrochirus)	0.002 - 0.006 mg/l, 96 hours		
			0.001 - 0.004 mg/l, 96 hours		
Metallic Coating		Species	Test Results		
Zinc (CAS 7440-66-6)					
Aquatic					
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.24 mg/l, 96 hours		
Persistence and degradability	The product i	The product is not biodegradable.			
Bioaccumulative potential	No data avail	No data available.			
Mobility in soil	Alloys in mas	Alloys in massive forms are not mobile in the environment.			
Other adverse effects	None expecte	None expected.			
13. Disposal consideratio	ons				
Disposal instructions	Dispose in ac	Dispose in accordance with all applicable regulations.			
Local disposal regulations	Dispose of in	Dispose of in accordance with local regulations.			
Hazardous waste code	Not regulated	Not regulated.			
Waste from residues / unused products	Dispose of in accordance with local regulations. Scrapped material should be sent for refining to recover precious metal content. Solid metal and alloys in the form of particles may be reactive. Its hazardous characteristics, including fire and explosion, should be determined prior to disposal.				
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.				

# 14. Transport information

## DOT

Not regulated as dangerous goods.

## IATA

Not regulated as dangerous goods.

## IMDG

Not regulated as dangerous goods.

# Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

# 15. Regulatory information

# **US** federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

## TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

# OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Lead (CAS 7439-92-1) CERCLA Hazardous Substance List (40 CFR 302	Reproductive toxicity Central nervous system Kidney Blood Acute toxicity 2.4)
Antimony (CAS 7440-36-0)	LISTED
Chromium (CAS 7440-47-3)	LISTED
Copper (CAS 7440-50-8)	LISTED
Lead (CAS 7439-92-1)	LISTED

LISTED
LISTED
LISTED
LISTED

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No
SARA 302 Extremely hazardous substance	

**CAS** number

		quantity (pounds)	planning quantity (pounds)	planning quantity, lower value (pounds)	planning quantity, upper value (pounds)
Phosphorus	7723-14-0	1	100		
SARA 311/312 Hazaro chemical	<b>dous</b> Yes				
SARA 313 (TRI report Chemical name	ting)		CAS number	% by wt.	
Manganese			7439-96-5	0-1.7	
Nickel			7440-02-0	0-0.2	
Lead			7439-92-1	0-0.01	
Zinc			7440-66-6	0.2 - 9.1	

Threshold

Reportable

Threshold

Threshold

#### Other federal regulations

**Chemical name** 

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Antimony (CAS 7440-36-0) Chromium (CAS 7440-47-3) Lead (CAS 7439-92-1) Manganese (CAS 7439-96-5) Nickel (CAS 7440-02-0) Phosphorus (CAS 7723-14-0)

## Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

## US state regulations

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## US. Massachusetts RTK - Substance List

Aluminium (CAS 7429-90-5) Aluminum (CAS 7429-90-5) Antimony (CAS 7440-36-0) Chromium (CAS 7440-47-3) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1) Manganese (CAS 7439-96-5) Molybdenum (CAS 7439-96-5) Molybdenum (CAS 7439-98-7) Nickel (CAS 7440-02-0) Phosphorus (CAS 7723-14-0) Sulfur (CAS 7744-02-0) Tin (CAS 7440-31-5) Vanadium (CAS 7440-62-2) Zinc (CAS 7440-66-6)

## US. New Jersey Worker and Community Right-to-Know Act

Aluminium (CAS 7429-90-5) Aluminum (CAS 7429-90-5) Antimony (CAS 7440-36-0) Carbon (CAS 7440-44-0) Chromium (CAS 7440-47-3) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1)

Manganese (CAS 7439-96-5) Molybdenum (CAS 7439-98-7) Nickel (CAS 7440-02-0) Phosphorus (CAS 7723-14-0) Sulfur (CAS 7704-34-9) Tin (CAS 7440-31-5) Titanium (CAS 7440-32-6) Vanadium (CAS 7440-62-2) Zinc (CAS 7440-66-6) US. Pennsylvania Worker and Community Right-to-Know Law Aluminium (CAS 7429-90-5) Aluminum (CAS 7429-90-5) Antimony (CAS 7440-36-0) Chromium (CAS 7440-47-3) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1) Manganese (CAS 7439-96-5) Molybdenum (CAS 7439-98-7) Nickel (CAS 7440-02-0) Phosphorus (CAS 7723-14-0)

Sulfur (CAS 7704-34-9) Tin (CAS 7440-31-5) Vanadium (CAS 7440-62-2) Zinc (CAS 7440-66-6)

## US. Rhode Island RTK

Aluminium (CAS 7429-90-5) Aluminum (CAS 7429-90-5) Antimony (CAS 7440-36-0) Chromium (CAS 7440-47-3) Copper (CAS 7440-50-8) Lead (CAS 7439-92-1) Manganese (CAS 7439-96-5) Nickel (CAS 7440-02-0) Phosphorus (CAS 7723-14-0) Vanadium (CAS 7440-62-2) Zinc (CAS 7440-66-6)

## **US. California Proposition 65**

## US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Lead (CAS 7439-92-1) Nickel (CAS 7440-02-0)

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information, including date of preparation or last revision

16. Other information, including date of preparation of last revision				
Issue date	01-June-2015			
Revision date	-			
Version #	01			
Further information	HMIS® is a registered trade and service mark of the NPCA.			
HMIS® ratings	Health: 1* Flammability: 0 Physical hazard: 0			
NFPA ratings				
References	ACGIH EPA: AQUIRE database NLM: Hazardous Substances Data Base US. IARC Monographs on Occupational Exposures to Chemical Agents HSDB® - Hazardous Substances Data Bank IARC Monographs. Overall Evaluation of Carcinogenicity National Toxicology Program (NTP) Report on Carcinogens ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices			
Disclaimer	All information in this Material Safety Data Sheet is believed to be accurate and reliable. However, no guarantee or warranty of any kind is made with regard to the accuracy of information or the suitability of the recommendations contained herein. It is the user's responsibility to assess the safety and toxicity of this product under their own conditions of use and to comply with all applicable laws and regulations.			