SECTION 1: Identification of the substance/mixture and of the company/undertaking Product identifier Product name : Covered Arc Welding Electrodes Other means of identification : E6010. E6011, E6012, E6013, E6022, E7014, E7018, E7018-1, E7024 11011 11031 11004_ 11008 11027 11000 11032 11012 11028 11024 11001 **AWS Specifications** 11033 11013 11025 11029 Relevant identified uses of the substance or mixture and uses advised against 11026 11030 11034 11014 1.2. 11035 Use of the substance/mixture : For welding consumables and related products 11016 11021 Details of the supplier of the safety data sheet 11017 Welding Material Sales 11022 1340 Reed Road 11018 11023 Geneva, IL 60134 Phone: 630-232-6421 11019 Fax: 888-733-1512

Emergency number 800-424-9300 SECTION 2: Hazards identification

E-mail: info@weldingmaterialsales.com

2.1. Classification of the substance or mixture

Emergency telephone number synumber 800-424-9300

GHS-US classification
Acute Tox. 4 (Oral) H302
Carc. 1A H350
Aquatic Acute 1 H400

2.2. Label elements

GHS-US tabeling

Hazard pictograms (GHS-US)



GH808



Signal word (GHS-US)

Hazard statements (GHS-US)

: Danger

H302 - Harmful if swallowed H350 - May cause cancer H400 - Very toxic to aquatic life

Precautionary statements (GHS-US)

: P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P264 - Wash thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell

P308+P313 - IF exposed or concerned: Get medical advice/attention

P330 - If swallowed, rinse mouth

P391 - Collect spillage P405 - Store locked up

P501 - Dispose of contents/container in accordance with local/regional/national/international

regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

	• •		• • • • • • • • • • • • • • • • • • • •
Name	Product identifier	1 %	GHS-US classification
Iron (Fe)	(CAS No) 7439-89-6	55 - 70	Acute Tox. 4 (Oral), H302
Calcium carbonate (CaCO ₃)	(CAS No) 1317-65-3	5 - 12	Not classified
Aluminum (Al)	(CAS No) 7429-90-5	0-5	Not classified
Sodium silicate (Na ₂ O-NSiO ₂)	(CAS No) 1344-09-B	0-5	Acute Tox. 4 (Oral), H302
Celtulose	(CAS No) 85996-61-4	<= 5	Not classified
Mineral silicates	(CAS No) 1332-58-7	<= 5	Not classified
Titanium dioxide (TiO ₂)	(CAS No) 13463-67-7	0-3	Carc. 2, H351
Potassium silicate (K ₂ O ₃ SiO ₃)	(CAS No) 1312-76-1	0.3	Acute Tox. 4 (Oral), H302
Magnesite (MgCO ₃)	(CAS No) 546-93-0	0-2	Not classified
Manganese (Mn)	(CAS No) 7439-96-5	0.45 - 1.75	Not classified
Aluminum axide (Af ₂ O ₃)	(CAS No) 1344-28-1	0-1	Not classified
Polassium carbonate	(CAS No) 584-08-7	<= 1	Acute Tox. 4 (Oral), H302
Silicon (Si)	(CAS No) 7440-21-3	0,12 - 0.8	Not classified
Quartz (SiO₂)	(CAS No) 14808-60-7	0.15 - 0.2	Acute Tox. 4 (Oral), H3D2 Carc. 1A, H350
Fluorspar (CaF ₂)	(CAS No) 7789-75-5	< 0.01	Acute Tox. Not classified (Oral)
Magnesium oxide (MgO ₂)	(CAS No) 1309-48-4	< 0.01	Not classified
Zinc oxide (ZnO ₂)	(CAS No) 1314-13-2	< 0.01	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Repr. 1A, H350 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation

 Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

First-aid measures after skin contact First-aid measures after eye contact

- : Flush with water for at least 15 minutes. Seek medical attention if irritation develops or persists.
- : Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persists.

First-aid measures after ingestion

: Do NOT induce vomiting. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

Short-term (acute) overexposure to the gases, fumes, and dusts may include irritation of the eyes, lungs, nose, and throat. Some toxic gases associated with welding may cause pulmonary edema, asphyxiation, and death.

Acute overexposure may include signs and symptoms such as watery eyes, nose and throat imitation, headache, dizziness, difficulty in breathing, frequent coughing, or chest pain. The presence of chromium/chromate in fume can cause irritation of nasal membranes and skin. The presence of nickel compounds in fume can cause metallic taste, nausea, tightness of chest, fever, and allergic reaction. Excessive inhalation or ingestion of manganese can produce manganese poisoning. Overexposure to manganese compounds may affect the central nervous system, symptoms of which are languor, sleepiness, muscular weakness, emotional disturbances, and spastic gait resembling Parkinsonism. These symptoms can become progressive and permanent if not treated, Excessive inhalation of fumes may cause "Metal Fume Fever" with Flu-like symptoms such as chills, fever, body aches, vomiting, sweating, etc.

Symptoms/injuries after skin contact Symptoms/injuries after eye contact : Dusts may cause irritation.: Causes eye irritation.

Symptoms/injuries after ingestion

: Not an anticipated route of exposure during normal product handling. May be harmful if ingested.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

2/10

SDS # 101 Latest Revision: May 2015 Page 3 of 10 Welding Material Sales

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media

: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard

: Not flammable.

Explosion hazard

: None known.

5.3. Advice for firefighters

Protection during firefighting

: Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment

: No special measures required,

Methods for cleaning up

: Attempt to reclaim the product, if this is possible.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Avoid generating dust, Avoid inhaling welding fumes.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: No special storage necessary.

7.3. Specific end use(s)

For welding consumables and related products

SECTION 8: Exposure controls/personal protection

6.1. Control parameters

Silicon (7440-21-3)	Laguera and an order	Ý -	
USA OSHA	OSHA PEL (TWA) (mg/m²)	5 mg/m³	
Manganese (7439-96	i-5)		
USA ACGIH	ACGIHTWA (mg/m²)	0.1 mg/m²	
USA OSHA	OSHA PEL (Ceiling) (mg/m³)	5 mg/m³	
Aluminum (7429-90-	5)		
USA ACGIH	ACGIHTWA (mg/m³)	1 mg/m²	
USA OSHA	OSHA PEL (TWA) (mg/m²)	5 mg/m³	
Magnesium oxide (1	309-46-4)		
USA ACGIH	ACGIHTWA (mg/m²)	10 mg/m³	
USA OSHA	OSHA PEL (TWA) (mg/m²)	15 mg/m³	
Zinc oxide (1314-13-)	2)		·
USA ACGIH	ACGIH TWA (mg/m³)	2 mg/m³	

3/10

SDS # 101 Latest Revision: May 2015

Page 4 of 10 Welding Material Sales

Zinc oxide (1314-13-2)		
USA ACGIH	ACGIH STEL (mg/m³)	10 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m²)	5 mg/m³
Aluminum oxide (1344	\$-28-1)	
USA OSHA	OSHA PEL (TWA) (mg/m²)	5 mg/m³
Titanium dioxide (134	63-67-7)	
USA ACGIH	ACGIH TWA (mg/m²)	10 mg/m²
USA OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³
Calcium carbonate (13	317-65-3)	
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
Quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
Magnesite (546-93-0)		
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
Mineral silicates (1332	-58-7)	
USA ACGIH	ACGIH TWA (mg/m³)	2 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
3.2. Exposure con	trois	
Appropriate engineering o	controls : Local exhaust and general ven	ntilation must be adequate to meet exposure standards.
land protection	: Wear welding gloves.	
Eye protection	: Wear helmet or face shield with	h filter lens of appropriate shade number. See ANSI/ASC Z49.1

Skin and body protection

Respiratory protection

- Section 4.2. Provide protective screens and flash goggles, if necessary, to shield others.
- : Wear head and body protection, which help to prevent injury from radiation, sparks, flame and electrical shock. See ANSI Z49.1. At a minimum this includes welder's gloves and a protective face shield, and may include arm protectors, aprons, hats, shoulder protection, as well as dark substantial clothing. Train the employee not to touch live electrical parts and to insulate him/herself from work and ground. Welders should not wear short sleeve shirts or short pants.
- : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

SECTION 9: Physical and chemical	l properties	
9.1. Information on basic physical an	d chemical properties	
Physical state	: Solid	
Appearance	: Rods or wire	
Calor	; Metallic	
Odor	: No data available	
Odor threshold	: No data available	
pH	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Self ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
7/11/2014	EN (English)	4/10

SDS # 101 Latest Revision: May 2015 Page 5 of 10 Welding Material Sales

Relative density No data available Solubility : No data available Log Pow : No data available Log Kow No data available Viscosity, kinematic No data available Viscosity, dynamic No data available Explosive properties No data available Oxidising properties : No data available Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

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. See ANSI/AWS F1.1, F1.3 and F1.5, available from the American Welding Society, 550 N.W. LeJeune Road, Miami, FL 33126.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Harmful if swallowed.	
Carbon Steel Electrodes ATE (oral)	500.000 mg/kg bodyweight	**************************************
Iron (7439-89-6)		ı
LD50 oral rat	984 mg/kg	
ATE (oral)	984.000 mg/kg	
Silicon (7440-21-3)		
ATE (oral)	3160.000 mg/kg	

17/11/2014_______EN (English)_______5/10

LC50 fishes 1

17/11/2014

SDS # 101 Latest Revision: May 2015 Page 6 of 10 Welding Material Sales

6/10

Manganese (7439-96-5) ATE (oral)	\$ 9000000.000 mg/kg
Zinc oxide (1314-13-2)	, , , , , , , , , , , , , , , , , , ,
LD50 oral rat	> 5000 mg/kg
ATE (oral)	500.000 mg/kg
	SocropolitidixA
Aluminum oxide (1344-28-1)	the state of the s
LD50 oral rat	> 5000 mg/kg
Titanium dioxide (13463-67-7)	
LD50 oral rat	> 10000 mg/kg
Sodium silicate (1344-09-8)	the second se
LD50 oral rat	1153 mg/kg
ATE (oral)	1153.000 mg/kg
Quartz (14808-60-7)	
LD50 oral rat	500 mg/kg
ATE (oral)	500.000 mg/kg
Potassium carbonate (584-08-7)	1 333333
LD50 oral rat	1970 mailes
ATE (oral)	1870 mg/kg 1870.000 mg/kg
	1 1010.000 mg/kg
Fluorspar (CaF2) (7789-75-5)	1
LD50 oral rat	4250 mg/kg
ATE (oral)	4250.000 mg/kg bodyweight
Potassium silicate (1312-76-1)	
LD50 oral rat	1300 mg/kg
ATE (oral)	1300.000 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Serm cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans
Quartz (14808-60-7)	
IARC group	1.4 Carriannesia la burnara
National Toxicology Program (NTP) Status	1 - Carcinogenic to humans 2 - Known Human Carcinogens
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
pecials target organ toxicity (sitigle exposure)	. NOT CIR22 INCO
Specific larget organ loxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
SECTION 12: Ecological information	
2.1. Toxicity	
Sodium silicate (1344-09-8)	·
LC50 fishes 1	301 - 478 mg/l (Exposure time; 96 h - Species: Lepomis macrochirus)
LC50 fish 2	3185 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
Potassium silicate (1312-76-1)	301 . 479 mail /Evparusa timo: 96 h. Charine: Lanamie macrachique)

301 - 478 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

EN (English)

17/11/2014

SDS # 101 Latest Revision: May 2015 Page 7 of 10 Welding Material Sales

Potass LC50 f	Bium silicate (1312-76-1) ish 2	3185 mg/t (Exposure time	: 96 h - Specie	s: Brachyda	anio rerio Isen	ni-statici)		
12.2. No addit	Persistence and degradability ional information available	:	· · ·	· · · · · · · · · · · · · · · · · · ·				
12.3.	Bioaccumulative potential	, .						
Sodium BCF fis	m silicate (1344-09-8) sh 1	(no bioaccumulation expe	cted)			 : .		. ;
Potass BCF (is	ium silicate (1312-76-1) sh 1	(по bioaccumulation expe	cted)					-:
12.4. No addit	Mobility in soil ional information available				·. ·			
12.5. No addit	Other adverse effects ional information available	· .:-	٠.	· · · ·	• • • • • • • • • • • • • • • • • • • •	··		• •=
SECTI	ON 13; Disposal consideratio	ons	-					
13.1.	Waste treatment methods			•				· · · · · · · · · · · · · · · · · · ·
Waste di	sposal recommendations	.; Dispose of contents/conta	iner in accorda	nce with lo	cal/regional/na	ationaVinterna	lional regulation	ns.
SECTI	ON 14: Transport information	1						
14.1.	dance with DOT / ADR / RID / ADNR / I UN number ngerous good in sense of transport reg UN proper shipping name icable	•			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
	ON 15: Regulatory information Federal regulations	o n					. " .	1
Listed o	439-89-6) on the United States TSCA (Toxic Subs (7440-21-3) on the United States TSCA (Toxic Subs							
Listed of	nese (7439-96-5) on the United States TSCA (Toxic Subson SARA Section 313 (Specific toxic ch Section 313 - Emission Reporting	stances Control Act) Inventory emical listings) 1.0 %						-
Listed o	num (7429-90-5) on the United States TSCA (Toxic Subson SARA Section 313 (Specific toxic ch	emical listings)	r - 1 9-19-19-1 9-19-19-19-19-19-19-19-19-19-19-19-19-19	A				•
	Section 313 - Emission Reporting	1.0 % (dust or fume only)				w	************	
	sium oxide (1309-48-4) on the United States TSCA (Toxic Subs	stances Control Act inventory						
	ride (1314-13-2)	stances Control Act) inventory		··		· · · · · · · · · · · · · · · · · · ·		
	n the United States TSCA (Toxic Subs							
			en er omer i mit titling					.r s
Listed o	on the United States TSCA (Toxic Subson SARA Section 313 (Specific toxic ch							
	Section 313 - Emission Reporting	1.0 % (fibrous forms)						
	m dioxide (13463-67-7) on the United States TSCA (Toxic Subs	stances Control Act) inventory						
7/11/2014	•	EN (English)	**			•	7/10	. •

EN (English)

17/11/2014

SDS # 101 Latest Revision: May 2015 Page 8 of 10 Welding Material Sales

Calcium carbonate (1317-				
~	TSCA (Toxic Substances Con	tro! Act) inventory	•	
Sodium silicate (1344-09- Listed on the United States	B) TSCA (Toxic Substances Cont	trol Act) inventory	*	
Quartz (14808-60-7)	h ammun 1 		· · · · · · · · · · · · · · · · · · ·	
Listed on the United States	TSCA (Toxic Substances Conf	trol Act) inventory		• • • • • • • •
Cellulose (65995-61-4)	TOOA (Table 1)		","	
	TSCA (Toxic Substances Cont	trol Act) inventory		
Magnesite (548-93-0) Listed on the United States	TSCA (Toxic Substances Cont	trol Act) inventory		•
Mineral silicates (1332-58-			*** *** *** **************************	
Listed on the United States	TSCA (Toxic Substances Cont	trot Act) inventory		
Potassium carbonate (684	•			
	TSCA (Toxic Substances Conf	trol Act) inventory	To second 14th June spines and Discount States	
Fluorspar (CaF2) (7789-75	i-5) TSCA (Toxic Substances Cont	troi Act) isuantan		
Potassium silicate (1312-7		inor Act) inventory		
	TSCA (Toxic Substances Cont	trol Act) inventory	,	
15.2. US State regulations	·			
Titanium dioxide (13463-67-	7)			
U.S California -	U.S California -	U.S California -	U.S California -	No significance risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
Yes				
Quartz (14808-50-7)	•		· · ·	
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes				
Silicon (7440-21-3)				
U.S Massachuselts - Right U.S Minnesota - Hazardous U.S New Jersey - Right to K U.S Pennsylvania - RTK (Ri	Substance List Know Hazardous Substance Lis	st		
Manganese (7439-96-5) U.S Massachusetts - Right U.S Minnesota - Hazardous U.S New Jersey - Right to K U.S Pennsylvania - RTK (Ri	Substance List Know Hazardous Substance Lis	st		
Aluminum (7429-90-5)				
U.S Massachuselts - Right U.S Minnesota - Hazardous U.S New Jersey - Right to K U.S Pennsylvania - RTK (Ri	Substance List (now Hazardous Substance Lis	st		
Magnesium oxide (1309-48-4	•			
U.S Massachusetts - Right T U.S Minnesota - Hazardous U.S New Jersey - Right to K		st .		
				8/10

EN (English)

SDS # 101 Latest Revision: May 2015 Page 9 of 10 Welding Material-Sales

Magnesium oxide (1309-48-4)

U.S. - Pennsylvania - RTK (Right to Know) List

Zinc oxide (13(4-13-2)

- U.S. Massachusetts Right To Know List
- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Aluminum oxide (1344-28-1)

- U.S. Massachusetts Right To Know List
- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Titanium dioxide (13463-67-7)

- U.S. Massachusetts Right To Know List
- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Calcium carbonate (1317-65-3)

- U.S. Massachusetts Right To Know List
- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Quartz (14808-60-7)

- U.S. Massachusetts Right To Know List
- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Magnesite (546-93-0)

- U.S. Massachusetts Right To Know List
- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List

Mineral silicates (1332-58-7)

- U.S. Massachusetts Right To Know List
- U.S. Minnesota Hazardous Substance List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

SECTION 16: Other information

Other information:

We believe that the information contained herein is current as of the date of this SDS. As the condition or methods of use are beyond Raajratna Electrodes Pvt. Ltd., control, Raajratna Electrodes Pvt. Ltd., does not assume any responsibility and expressly disclaim any liability for any use of this material. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding the accuracy of the information, the hazard connected with the use of this material or the results to be obtained for use thereof. It is the user's obligation to determine the conditions of safe use of these products.

Full text of H-phrases:

d or tr-burgees.	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Acute Tox. Not classified (Oral)	Acute toxicity (oral) Not classified
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 1A	Carcinogenicity, Category 1A
Carc. 2	Carcinogenicity, Category 2

9/10

SDS # 101 Latest Revision: May 2015 Page 10 of 10 Welding Material Sales

Repr. 1A	Reproductive toxicity, Category 1A
STOTRE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed
H332	Harmful if inhaled
H350	May cause cancer
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400 ·	Very toxic to aquatic life
H410	Very toxic to aquatic life with long tasting effects

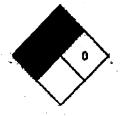
NFPA health hazard

: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard NFPA reactivity

: 0 - Materials that will not burn.

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: O Minimal Hazard

Physical

; O Minimal Hazard