according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

1 Identification

Product identifier

Trade name: BLACK BEAUTY IRON Blend

Recommended use and restriction on use

Recommended use: Abrasives

· Restrictions on use: No relevant information available.

Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Harsco Corporation Harsco Environmental 350 Poplar Church Road Camp Hill, PA 17011 Phone: 717-763-

E-Mail: reedcs@harsco.com

Emergency telephone number:

Emergency Contact: Verisk 3E

Emergency Phone: 855-393-9889 (Access Code: 13793)

Manufacturer Contact: Customer Service Department Manufacturer

Emergency Phone: 888-733-3646 ext. 2

2 Hazard(s) identification

Classification of the substance or mixture

Classification references product both as delivered and as a fine dust generated during use. Skin Irrit.

2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Carc. 1A H350 May cause cancer. Route of exposure: Inhalation.

Repr. 1A H360 May damage fertility or the unborn child.

STOT SE 3 H335 May cause respiratory irritation.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

- Label elements
- GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:



- Signal word: Danger
- Hazard statements:

H315 Causes skin irritation.

H318 Causes serious eve damage.

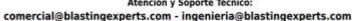
H350 May cause cancer. Route of exposure: Inhalation. H360 May

damage fertility or the unborn child. H335 May cause respiratory irritation.

Distribuidor autorizado para Latinoamérica y el Caribe Sucursales en Colombia, México, Chile, Perú, Ecuador, Brasil, Argentina y Panamá.

Oficina Principal: Toronto, Ontario, CANADA - Tel.+1-905-541-0997

Atención y Soporte Técnico:



























according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

H373 May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

· Precautionary statements:

P362+P364

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood. P260

Do not breathe dust.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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

P302+P352 If on skin: Wash with plenty of soap and water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P340 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing.

P314 Get medical advice/attention if you feel unwell. P332+P313

If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Store in a well-ventilated place. Keep container tightly closed. P405 P403+P233

Store locked up.

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

regulations.

· Other hazards There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

Chemical characterization: Mixtures

· Components:		
1309-37-1	Iron oxides (Includes CAS No.'s 1345-25-1 and 1309-38-2)	20-80%
60676-86-0	Silica, fused	20-60%
1344-28-1	Aluminum oxide	10-40%
1305-78-8	Calcium oxide Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335	2-6%
1309-48-4	Magnesium oxide	0.1-2%
1313-59-3 Sodium oxide 0.1- Skin Corr. 1A, H314; Eye Dam. 1, H318		0.1-2%
7446-11-9	sulphur trioxide Skin Corr. 1A, H314 STOT SE 3, H335	0.1-2%
7440-50-8	Copper	0.1-1%
7439-92-1 Lead 0 Carc. 2, H351; Repr. 1A, H360		0.1-1%
		0.1-1%
7440-38-2	arsenic Acute Tox. 3, H301; Acute Tox. 3, H331 Carc. 1A, H350	0.1-0.5%
1317-95-9	Silica-Crystalline Tripoli	<0.1%

























Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

	& Carc. 1A, H350; STOT RE 1, H372		
7439-96-5	Manganese	<0.1%	
	♦ Flam. Sol. 2, H228		
7440-02-0	nickel	<0.1%	
14808-60-7	Quartz (SiO2)	<0.1%	
	♦ Carc. 1A, H350		
7440-43-9	cadmium (non-pyrophoric)	<0.005%	
	4 Acute Tox. 3, H301; Acute Tox. 2, H330		
	Muta. 2, H341; Carc. 1B, H350; Repr. 2, H361; STOT RE 1, H372		
7440-41-7	beryllium	<0.0005%	
	Acute Tox. 3, H301; Acute Tox. 2, H330 Carc. 1B, H350; STOT RE 1, H372		
	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335		

Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

- Description of first aid measures
- After inhalation:

Supply fresh air.

Provide oxygen treatment if affected person has difficulty breathing.

If experiencing respiratory symptoms: Call a doctor.

After skin contact:

Brush off loose particles from skin.

Wash with soap and water.

If skin irritation continues, consult a doctor.

After eye contact:

Protect unharmed eye.

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

Most important symptoms and effects, both acute and delayed:

Coughing

Breathing difficulty

Mechanical irritation to eyes and skin.

Strong irritant with the danger of severe eye injury.

May cause respiratory irritation.

Causes skin irritation.

Danger:

Danger of impaired breathing.

Causes serious eye damage.

May cause cancer. Route of exposure: Inhalation.

Blasting Experts



Oficina Principal: Toronto, Ontario, CANADA - Tel.+1-905-541-0997

Atención y Soporte Técnico:























according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

May damage fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed:

Medical supervision for at least 48 hours.

If necessary oxygen respiration

treatment.

If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: No relevant information available.
- Special hazards arising from the substance or mixture No relevant information available.
- Advice for firefighters
- Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Isolate area and prevent access.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

- Environmental precautions Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up

Sweep up and place into an appropriate container.

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- Handling
- Precautions for safe handling: Use only in well ventilated areas.
- Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility:

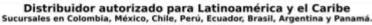
Store away from foodstuffs.

Do not store together with alkalis (caustic solutions).

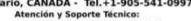
Do not store together with acids.

Further information about storage conditions:



























Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

Keep containers tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

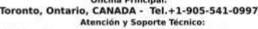
· Control parameters

. Components w	· Components with limit values that require monitoring at the workplace:		
-	1309-37-1 Iron oxides (Includes CAS No.'s 1345-25-1 and 1309-38-2)		
·			
PEL (USA)	Long-term value: 10* mg/m³ *Fume		
REL (USA)	Long-term value: 5 mg/m³ Dust & fume, as Fe		
TLV (USA)	Long-term value: 5* mg/m³ *as respirable fraction		
EL (Canada)	Short-term value: 10** mg/m³ Long-term value: 5* 10*** 3**** mg/m³ *dust & fume**fume; Rouge: ***total dust****resp.		
EV (Canada)	Long-term value: 5* 10** mg/m³ *respirable, including Rouge;**total dust		
LMPE (Mexico)	Long-term value: 5* mg/m³ A4, *fracción respirable		
60676-86-0 Silie	ca, fused		
PEL (USA)	20mppcf or 80mg/m3 /%SiO2		
TLV (USA)	TLV withdrawn		
EV (Canada)	Long-term value: 0.1 mg/m³ respirable		
LMPE (Mexico)	Long-term value: 0.1 mg/m³ (j)		
1344-28-1 Alum	ninum oxide		
PEL (USA)	Long-term value: 15*; 5** mg/m³ *Total dust; ** Respirable fraction		
REL (USA)	Long-term value: 10* 5** mg/m³ as Al*Total dust**Respirable/pyro powd./welding f.		
TLV (USA)	Long-term value: 1* mg/m³ as Al; *as respirable fraction		
EL (Canada)	Long-term value: 1.0 mg/m³ respirable, as Al		
EV (Canada)	Long-term value: 10 mg/m³ total dust		
LMPE (Mexico)	Long-term value: 1* mg/m³ A4, *fracciòn respirable		
1305-78-8 Calc	ium oxide		
PEL (USA)	Long-term value: 5 mg/m³		
	·		

























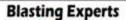




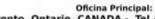
Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

REL (USA)	Long-term value: 2 mg/m ³		
TLV (USA)	Long-term value: 2 mg/m³		
EL (Canada)	Long-term value: 2 mg/m³		
EV (Canada)	Long-term value: 2 mg/m³		
LMPE (Mexico)	Long-term value: 2 mg/m³		
1309-48-4 Magı	nesium oxide		
PEL (USA)	Long-term value: 15* mg/m³ fume; *total particulate		
TLV (USA)	Long-term value: 10* mg/m³ *as inhalable fraction		
EL (Canada)	Short-term value: 10** mg/m³ Long-term value: 10* 3** mg/m³ *inhalable fume;**respirable dust and fume		
EV (Canada)	Long-term value: 10 mg/m³ inhalable		
LMPE (Mexico)	Long-term value: 10* mg/m³ A4, *fracción respirable		
7440-50-8 Copp	oer en		
PEL (USA)	Long-term value: 1* 0.1** mg/m³ as Cu *dusts and mists **fume		
REL (USA)	Long-term value: 1* 0.1** mg/m³ as Cu *dusts and mists **fume		
TLV (USA)	Long-term value: 1* 0.2** mg/m³ *dusts and mists; **fume; as Cu		
EL (Canada)	Long-term value: 1* 0.2** mg/m³ *dusts and mists; **fume, as Cu		
EV (Canada)	Long-term value: 0.2* 1** mg/m³ as copper, *fume;**dust and mists		
LMPE (Mexico)	Long-term value: 0.2* 1** mg/m³ *humo (como Cu);**polvo y niebla (como Cu)		
7439-92-1 Lead			
PEL (USA)	Long-term value: 0.05* mg/m³ *see 29 CFR 1910.1025		
REL (USA)	Long-term value: 0.05* mg/m³ *8-hr TWA ;See PocketGuide App.C		
TLV (USA)	Long-term value: 0.05* mg/m³ *and inorganic compounds, as Pb; BEI		
EL (Canada)	Long-term value: 0.05 mg/m³ R; IARC 2B		
EV (Canada)	Long-term value: 0.05 mg/m³ as Pb, Skin (organic compounds)		
LMPE (Mexico)	Long-term value: 0.05 mg/m³ A3, IBE		
7439-98-7 Molybo	7439-98-7 Molybdenum		

























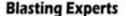




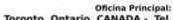
Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

	Long-term value: 15* mg/m³ *Total dust, as Mo	
	Long-term value: 10* 3** mg/m³ as Mo; *inhalable fraction ** respirable fraction	
	Long-term value: 3* 10** mg/m³ as Mo; *respirable **inhalable	
EV (Canada)	Long-term value: 10* 3** 0.5*** mg/m³ metal,insol.compd.:*inh;**resp;sol.compd.:**resp	
LMPE (Mexico)	Long-term value: 10* 3** mg/m³ *fracción inhalable **respirable; como Mo	
7440-38-2 arsen		
	Long-term value: 0.5* 0.01** mg/m³ as As; *organic**inorg. compds.; 29 CFR 1910.1018	
	Ceiling limit value: 0.002 mg/m³ as As; 15min; See Pocket Guide App. A	
	Long-term value: 0.01 mg/m³ as As; BEI	
	Long-term value: 0.01 mg/m³ as As; ACGIH A1, IARC1	
EV (Canada)	Short-term value: 0.05 mg/m³ Long-term value: 0.01 mg/m³ as As	
	Long-term value: 0.01 mg/m³ A1, IBE; como As	
1317-95-9 Silica	-Crystalline Tripoli	
	Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2	
` ,	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A	
TLV (USA)	TLV withdrawn	
	Long-term value: 0.025 mg/m³ ACGIH A2; IARC 1	
	Long-term value: 0.10* mg/m³ *respirable fraction	
	Long-term value: 0.025* mg/m³ A2, *fracción respirable	
7439-96-5 Mang	7439-96-5 Manganese	
	Ceiling limit value: 5 mg/m³ as Mn	
) /	Short-term value: 3 mg/m³ Long-term value: 1 mg/m³ fume, as Mn	
	Long-term value: 0.02* 0.1** mg/m³ as Mn; *respirable **inhalable fraction	
EL (Canada)	Long-term value: 0.2; 0.02* mg/m³	

























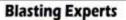


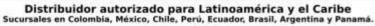
Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

	as Mn; R, *respirable		
EV (Canada)	Long-term value: 0.2 mg/m³ as manganese		
LMPE (Mexico)	Long-term value: 0.2 mg/m³ como Mn		
7440-02-0 nick	rel		
PEL (USA)	Long-term value: 1 mg/m³		
REL (USA)	Long-term value: 0.015 mg/m³ as Ni; See Pocket Guide App. A		
TLV (USA)	Long-term value: 1.5* mg/m³ elemental, *inhalable fraction		
EL (Canada)	Long-term value: 0.05 mg/m³ ACGIH A1, IARC 2B		
EV (Canada)	Long-term value: 1 mg/m³ Inhalable fraction		
LMPE (Mexico	Long-term value: 1.5* mg/m³ *elemental:A5, fracción inhalable		
14808-60-7 Qu	artz (SiO2)		
PEL (USA)	Long-term value: 0.05* mg/m³		
DEL (LICA)	*resp. dust; 30mg/m3/%SiO2+2		
REL (USA)	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A		
TLV (USA)	Long-term value: 0.025* mg/m³ *as respirable fraction		
EL (Canada)	Long-term value: 0.025 mg/m³ ACGIH A2; IARC 1		
EV (Canada)	Long-term value: 0.10* mg/m³		
LMPE (Mexico)	Long-term value: 0.025* mg/m³ A2, *fracción respirable		
· Ingredients w	ith biological limit values:		
7439-92-1 Lea			
BEI (USA) 30	µg/100 ml		
	dium: blood		
	ne: not critical		
Par	rameter: Lead		
	µg/100 ml		
	dium: blood		
	ne: not critical rameter: Lead (women of child bearing potential)		
	7440-38-2 arsenic		
BEI (USA) 35			
Medium: urine			
Tim	ne: end of workweek		
	(Cont'd. on page 9)		

(Cont'd. on page 9)





























according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

Parameter: Inorganic arsenic plus methylated metabolites (background)

- **Exposure controls**
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- Engineering controls: Provide adequate ventilation.
- Breathing equipment:

Suitable respiratory protective device recommended.

A NIOSH approved dust respirator should be used for operations generating dust.

Protection of hands:

Protective gloves

Wear gloves for protection against thermal and mechanical hazards according to OSHA and NIOSH rules.

Eye protection:

Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- Body protection: Protective work clothing
- Limitation and supervision of exposure into the environment

No relevant information available.

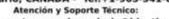
· Risk management measures No relevant information available.

 Information on basic physical a Appearance: 	mation on basic physical and chemical properties arance:		
Form: Color: Odor: Odor threshold:	Granular or powdered solid. Black Odorless Not determined.		
pH-value:Melting point/Melting range:Boiling point/Boiling range:	Not applicable. Not determined. Not determined.		
· Flash point:	The product is not flammable.		
· Flammability (solid, gaseous):	Not determined.		
· Auto-ignition temperature:	Not determined.		
· Decomposition temperature:	Not determined.		



























Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

· Danger of explosion:	Product does not present an explosion hazard.
Explosion limits Lower: Upper: Oxidizing properties:	Not determined. Not determined. Non-oxidizing.
· Vapor pressure:	Not determined.
Density: Relative density: Vapor density: Evaporation rate:	2.8-3.8 g/cm³ (23.37-31.71 lbs/gal) Not determined. Not applicable. Not applicable.
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water): Not determined.	
· ViscosityDynamic:Kinematic:· Other information	Not applicable. Not applicable. No relevant information available.

10 Stability and reactivity

- Reactivity: No relevant information available.
- Chemical stability: Stable under normal temperatures and pressures.
- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No relevant information available.
- Incompatible materials

Alkalis

Acids.

Hazardous decomposition products

Under fire conditions only: Toxic metal oxide smoke

· LD/LC50 values that are relevant for classification:		
ATE (Acute Toxicity Estimate)		
Oral	LD50	381500-7630000 mg/kg (rat)
Inhalative	LC50/4h	250-5000 mg/l





























according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

7439-92	7439-92-1 Lead			
Oral	LD50	>2000 mg/kg (rat)		
7440-38	7440-38-2 arsenic			
Oral	LD50	763 mg/kg (rat)		

- · Primary irritant effect:
- · On the skin: Irritant to skin and mucous membranes.
- On the eye: Strong irritant with the danger of severe eye injury.
- · Sensitization: Based on available data, the classification criteria are not met.

1309-37-1	Iron oxides (Includes CAS No.'s 1345-25-1 and 1309-38-2)	3
7439-92-1	· ·	2
7440-38-2	arsenic	1
7440-02-0	nickel	2
14808-60-7	Quartz (SiO2)	1
7440-43-9	cadmium (non-pyrophoric)	1
7440-41-7	beryllium	1
60676-86-0	Silica, fused	3
1317-95-9	Silica-Crystalline Tripoli	1
NTP (Nation	nal Toxicology Program):	
7439-92-1	Lead	
7440-38-2	arsenic	I
7440-02-0	nickel	ı
14808-60-7	Quartz (SiO2)	I
7440-43-9	cadmium (non-pyrophoric)	I
7440-41-7	beryllium	I
OSHA-Ca (Occupational Safety & Health Administration):	
7440-38-2	arsenic	
7440-43-9	cadmium (non-pyrophoric)	

· Probable route(s) of exposure:

Ingestion.

Inhalation.

Eve contact.

Skin contact.

· Acute effects (acute toxicity, irritation and corrosivity):

Causes serious eye damage.

Irritating to respiratory system and skin.

- · Repeated dose toxicity: Possible risk of irreversible effects.
- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: May cause cancer. Route of exposure: Inhalation.
- · Reproductive toxicity: Based on available data, the classification criteria are not met.
- STOT-single exposure: May cause respiratory irritation.
- · STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

· Aspiration hazard: Based on available data, the classification criteria are not met.





Oficina Principal:

Atención y Soporte Técnico: comercial@blastingexperts.com - ingenieria@blastingexperts.com





















according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

12 Ecological information

- Toxicity
- Aquatic toxicity No relevant information available.
- Persistence and degradability No relevant information available.
- · Bioaccumulative potential: No relevant information available.
- · Mobility in soil: No relevant information available.
- Additional ecological information
- General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Other adverse effects No relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- Uncleaned packagings
- Recommendation: Disposal must be made according to official regulations.

· UN-Number · DOT, ADR/RID/ADN, IMDG, IATA	Not regulated.
 UN proper shipping name DOT, ADR/RID/ADN, IMDG, IATA 	Not regulated.
· Transport hazard class(es)	
· DOT, ADR/RID/ADN, IMDG, IATA · Class	Not regulated.
Packing group DOT, ADR/RID/ADN, IMDG, IATA	Not regulated.
· Environmental hazards	Not applicable.
· Special precautions for user	Not applicable.
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	of Notapplicable.

15 Regulatory information





Oficina Principal:

Toronto, Ontario, CANADA - Tel.+1-905-541-0997 Atención y Soporte Técnico:



















Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

- · Safety, health and environmental regulations/legislation specific for the substance or
- · United States (USA)
- ·SARA

· Section 30	02 (extremely hazardous substances):	
None of the ingredients are listed.		
· Section 31	3 (Specific toxic chemical listings):	
1344-28-1	Aluminum oxide	
7440-66-6	Zinc	
7440-50-8	Copper	
TSCA (Toxic Substances Control Act)		
All ingredients are listed or exempt.		

· Proposition 65 (California)

	area (camerina)	
	known to cause cancer:	
7439-92-1	Lead	
7440-38-2	arsenic arsenic	
1317-95-9	Silica-Crystalline Tripoli	
7440-02-0	nickel	
14808-60-7	Quartz (SiO2)	
7440-43-9	cadmium (non-pyrophoric)	
7440-41-7	beryllium	
· Chemicals	known to cause developmental toxicity for females:	
7439-92-1	Lead	
· Chemicals	known to cause developmental toxicity for males:	
7439-92-1	Lead	
7440-43-9	cadmium (non-pyrophoric)	
Chemicals	known to cause developmental toxicity:	
7439-92-1	Lead	
7440-43-9	cadmium (non-pyrophoric)	
· EPA (Envi	ronmental Protection Agency):	
7440-66-6	Zinc	D, I, II
7440-50-8		D
	Copper	
7439-92-1		B2
7440-38-2		Α
•	rnational Agency for Research on Cancer):	
	Iron oxides (Includes CAS No.'s 1345-25-1 and 1309-38-2)	3
60676-86-0	Silica, fused	3
7439-92-1	Lead	2B
7440-38-2	arsenic	1
1317-95-9	Silica-Crystalline Tripoli	1

Blasting Experts

Distribuidor autorizado para Latinoamérica y el Caribe Sucursales en Colombia, México, Chile, Perú, Ecuador, Brasil, Argentina y Panamá.























according to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: November 05, 2020

Trade name: BLACK BEAUTY IRON Blend

7440-02-0	nickel	2B	
14808-60-7	Quartz (SiO2)	1	
7440-43-9	cadmium (non-pyrophoric)	1	
7440-41-7	beryllium	1	
Canadian Domestic Substances List (DSL):			
All ingredients listed on DSL or NDSL.			

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

Flam. Sol. 2: Flammable solids - Category 2 Acute Tox. 3: Acute toxicity - Category 3 Acute Tox. 2: Acute toxicity - Category 2

Skin Corr. 1A: Skin corrosion/irritation - Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A

Skin Sens. 1: Skin sensitisation - Category 1 Muta. 2: Germ cell mutagenicity - Category 2 Carc. 1A: Carcinogenicity - Category 1A Carc. 1B: Carcinogenicity - Category 1B Carc. 2: Carcinogenicity - Category 2

Repr. 1A: Reproductive toxicity - Category 1A Repr. 2: Reproductive toxicity - Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2

Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/ overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers



