MATERIAL SAFETY DATA SHEET

SECTION I

Manufacturer's Name
American Saw & Mfg. Company

Emergency Telephone No.
(413) 525-3961

Address
301 Chestnut St., East Longmeadow, MA 01028-0504

Chemical Name and Synonyms
Carbon Steel
Alloy Steel
High Speed Steel

Trade Name
Lenox Band Saw Blades

Chemical Family
Steel

Formula
N/A

SECTION II - HAZARDOUS INGREDIENTS

Band saw blades are made from metals in the solid, stable and inert condition. The hazardous forms of the component elements listed may be generated by processing, such as abrading, melting, welding, cutting, grinding, or any other method which reduces the band saw material to hazardous dust or fumes which can be inhaled, swallowed or come in contact with the skin or eyes. The percent of elements actually present depends on the type of saw blade and the grade of steel it was made from. Each type will contain some, but not all, of the following elements in varying amounts:

MATERIAL OR COMPONENT	CAS NO.	OSHA PEL (mg/m^3)	ACGIH TLV (mg/m^3)
Iron	1309-37-1	10.0 (Fume)	5.0
Carbon	1333-86-84	3.5	3.5
Silicon	7440-21-3	-	5.0 (Dust)
Chromium	7440-47-3	1.0	0.50
Tungsten	7440-33-7	-	5.0
Molybdenum	7439-98-7	15.0	10.0
Vanadium	1314-62-1	0.5 (Dust)	0.05
Nickel	7440-02-0	1.0	1.0
Cobalt	7440-48-4	0.1	0.05
Manganese	7439-96-5	5.0 (Dust)	5.0

SECTION III - PHYSICAL DATA

Boiling Point °F	- N/A
Vapor Pressure	- N/A
Vapor Density (Air = 1)	- N/A
Solubility in Water	- Insoluble
Appearance and Odor	- Solid, gray/black, odorless, metal
Specific Gravity (H_2O = 1)	- Approximately 8
Percent Volatile by Volume (%)	- N/A
Evaporative Rate	- N/A

SECTION IV - FIRE AND EXPLOSION DATA

Band saw blade material is made from non-combustible metal.

Flash Point - None
Fire Point - None

SECTION V - HEALTH HAZARD DATA

The hazardous forms of the component elements listed may be generated by processing such as abrading, melting, welding, cutting, grinding or any other method which reduces the band saw steel to hazardous dust or fumes.

Primary Routes of Entry	Emergency First Aid
Inhalation	Remove to fresh air. If condition continues, consult physician.
Eye Contact	Flush well with running water to remove particulate. Get medical attention.
Skin Contact	Brush off excess dust. Wash area well with soap and water.
Ingestion	Seek medical help if large quantities have been ingested.

Section II lists specific ingredients and permissible exposure limits.

Important: Determine acutal exposure by industrial hygiene monitoring.

Possible signs and symptoms of exposure to dust, fumes or gasses:

Short-term exposure: Metallic taste, nausea, tightness of chest, fever, irritation of eyes, nose, throat and skin, loss of consciousness/death due to welding gasses or lack of oxygen.

Long-term exposure: There are no adverse effects from the products in their solid form. Adverse effects may or may not result from long-term (chronic) exposure to dust, fumes, gasses, etc. that occur by way of subsequent operations on the product. Some studies would associate one (or more) of the constituents (per Section II) with the potential for neurologic, pulmonary, respiratory, skin or other disease. Chromium, Cobalt and Nickel in various chemical compounds have been identified as suspect human carcinogens by the I.A.R.C., N.T.P. Annual Report.

AGGRAVATION OF PRE-EXISTING RESPIRATORY OR ALLERGIC CONDITIONS MAY OCCUR IN SOME WORKERS IF ADEQUATE VENTILATION IS NOT USED.

SECTION VI - REACTIVITY DATA

Stability: Chemically stable

Incompatability: Reacts with strong acids to release Hydrogen Gas

Hazardous Decomposition Products: Metallic oxides, metal fumes from welding or burning operations

Polymerization: N/A

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case of release or spill - N/A

Waste Disposal Method: Solids - Sell as scrap for reuse.
Dusts, etc: Follow Federal, State and Local regulations regarding disposal.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation Requirements: General - Recommended (to keep airborne concentration of of dust and fumes below ACGIH TLV's).
Local - Recommended during welding and grinding.

Personal Protective Equipment:

Respiratory Protection: If fumes, misting or dust condition occurs and TLV as indicated in Section II is exceeded, provide NIOSH approved respirators.

Eye Protection: Recommend A.N.S.I. approved safety glasses or goggles when welding, cutting or grinding.

Gloves: As required.

Other Clothing or Equipment: As required.

SECTION IX - SPECIAL PRECAUTIONS

Use good housekeeping practices to prevent accumulations of dust and debris. Use adequate ventilation to keep all airborne dust and fume concentrations to a minimum.

This material may be coated with a light preservative oil as a rust inhibitor, or other type contaminants for marking and identifying the product. If so coated, appropriate precautions, along with personal protective equipment, should be issued as required.

SECTION IX - SPECIAL PRECAUTIONS (continued)

The information set forth in this Material Safety Data Sheet is believed to be accurate to the best of our knowledge, but it is not guaranteed to be so. We will assume no liability from any loss, damage or injury which may result from, or arise out of the use or reliance on the information by any group or individuals.

American Saw & Mfg. Company will periodically update the information in this MSDS, however, it is the users' responsibility to evaluate the health hazards associated with their processing operations and take appropriate measures to ensure worker safety.

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Date Revised: 3-3-93