

MATERIAL SAFETY DATA SHEET

I. - IDENTIFICATION

Manufacturer's Name

Simonds International
641 Heller Drive
Newcomerstown, OH 43832
(740) 498-8331

Product Identification

Trade Name: Files, Rasps, Vixen
Files

Date: June 22, 2004

II. - HAZARDOUS INGREDIENTS

<u>Alloying Elements & Base Metals</u>			<u>OSHA PEL</u>	<u>ACGIH TLV</u>
	<u>% Weight</u>	<u>CAS No.</u>	<u>(MG/M³)</u>	<u>(MG/M³)</u>
<u>Alloying Elements:</u>				
Manganese	.70/.75	7439-96-5 (Dust)	5 (Ceiling)	5
		(Fume)	5 (Ceiling)	5
Nickel	.01 max	7440-02-0	1	1
Carbon	.32/.38	7440-44-0	---	---
Chromium	.04 max	7440-47-3	1	.05
Silicon	.10/.30	7440-21-3 (Dust)	15	10
Phosphorus	.02 max	7723-14-0	0.1	0.1
Sulphur	.01 max	7704-34-9	13	5
Copper (Rasps only)	.05 max	7440-50-8 (Dust)	1	1
		(Fume)	0.2	0.2
Aluminum (Rasps only)	.05 max	7429-90-5	---	5
<u>Base Metal:</u>				
Iron	Balance	7439-89-6	10	5

III. - PHYSICAL DATA

	Entire Product	Ingredients		
Boiling Point	≥5000° F			
Melting Point	Approx. 2500° F			
Specific Gravity (Water = 1)	Approx. 7.8-8.2 (60° F)			
Vapor Pressure (mmHg)	N/A	Vapor Density (Air = 1)		N/A
Evaporation Rate	N/A	Volatile ___%	Volume ___%	Weight
Appearance/Odor	Various shapes, solid, odorless metal			

IV. - FIRE AND EXPLOSION DATA

Flash Point: N/A

Flammable Explosive Limits: N/A

NFPA CLASSIFICATION Health 0 Fire 0 Reactivity 0

V. - HEALTH HAZARD DATA

We do not consider this product in the form it is sold to constitute a physical hazard or a health hazard. Subsequent operations such as abrading, melting, welding, cutting, or processing in any other fashion that causes a release of dust or fume may cause some of the ingredients to change to a form which could affect exposed workers.

V. - HEALTH HAZARD DATA (CONTINUED)

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 of material have been ingested.
CHROMIUM has a high pulmonary toxicity, is an experimental cause of neoplasm(s), and is a carcinogen.
IRON Iron dust can cause conjunctivitis, choroiditis, retinitis, and siderosis of tissues. Iron oxide fume is generated in welding, and continued exposure to concentrations above 30 mg/M³ can cause chronic bronchitis.
MANGANESE has a high toxicity via the intraperitoneal and inhalation routes; however, prolonged exposure can cause central nervous system damage.
NICKEL is a potential carcinogen and can cause neoplasm(s) via inhalation, subcutaneous implantation, intraperitoneal, and parental mode of exposure routes.

VI. - REACTIVITY DATA

Stability: Chemically stable.
Incompatibility: Reacts with strong acids to generate hydrogen gas.
Hazardous decomposition products: Metallic oxides.

VII. - SPILLS AND LEAKS

Steps to take in case of release or spill: N/A
Waste disposal method: Sale as Scrap
Dust, etc: Follow Federal, State and Local regulations regarding disposal.

VIII. - SPECIAL PROTECTION INFORMATION

Ventilation Requirements - Use general and local exhaust ventilation to keep airborne concentrations of dust and fumes below the PEL's and TLV's of Sect II.
Eye Protection - Recommend approved safety glasses or goggles.
Gloves; Other Clothing or Equipment - As required; comply with OSHA Standard 1910 132

IX. - SPECIAL PRECAUTIONS

This material is potentially contaminated with coatings such as oils for preservatives and other contaminants. If the material is contaminated, special precautions (such as process control and personal protective equipment) appropriate to the nature of the suspected contaminants should be taken to avoid resulting exposures when handling, cutting (thermal or mechanical) and/or heating or melting.

The foregoing data has been compiled from sources which the company, in good faith, believes to be dependable and is accurate and reliable to the best of our knowledge and belief. However, the company cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers, or others.

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