

R-Panel



Material Safety Data Sheet

ZINCALUME® Plus Steel

Attn: Rick
970/225-7407

Section 1 - Chemical Product and Company Identification

Product name ZINCALUME® Plus Steel
 Manufacturer Steelscape, Inc.
 222 West Kalama River Road
 Kalama, WA 98625
 Revision Date 05/11/2004
 Emergency Contact: CHEMTREC (24 hours) 1-800-424-9300

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS-No.	Weight%	
		Min	Max
Base Steel			
Iron	7439-89-6		99.00
Carbon	7440-44-0		0.30
Manganese Compounds (as Mn)	7439-96-5		1.00
Phosphorus	7723-14-0		0.15
Sulfur	7704-34-9		0.05
Silicon	7440-21-3		0.03
Aluminum	7429-90-5		0.10
Note: Base Steel may contain the following trace or residual elements: Chromium(0.10% max), Copper(0.12% max), Molybdenum (0.10% max), Nickel (0.12% max), Columbium (0.06% max), Tin (0.03% max), Titanium (0.06% max), and Vanadium (0.08% max).			
Metallic Coating			
Aluminum	7429-90-5	51.00	58.00
Zinc	7440-66-6	40.00	48.00
Silicon	7440-21-3	1.30	1.90
Iron	7439-89-6	0.01	0.02
Surface Coating			
Styrene Acrylic Copolymer	100-42-5	45.00	47.00
Water	7732-18-5	40.00	48.00
Styrene Monomer			0.20
Acrylate Monomers			0.20
Cyclic Biocide Halogenated			0.20
The weight percentages of this compound may be below the levels for which reporting of exact percentages is required in Section 313 of SARA 40CFR Part 372.38.			



Material Safety Data Sheet

Material Name: Iron Alloy (Steel)

ID: NS-001

***** Section 1 - Chemical Product and Company Identification *****

Chemical Name: Mixture

Product Use: Slab, Roll and Sheet Products

Manufacturer Information

National Steel Corporation
4100 Edison Lakes Parkway
Mishawaka, IN 46545

Phone #: (219) 273-7000

Emergency #: (219) 273-7000

***** Section 2 - Composition / Information on Ingredients *****

CAS #	Components	Percent
7439-89-6	Iron	
7439-96-5	Manganese	97-99
7440-02-0	Nickel	0.15-1.65
7440-47-3	Chromium	0.04-1.1
7440-21-3	Silicon	0.02-1.1
7429-90-5	Aluminum	0.01-0.95
7440-50-8	Copper	0.02-0.504
7440-36-0	Antimony	0.01-0.4
		0.005-0.06

Coated Product May Also Contain:

7429-90-5	Aluminum	
7440-36-0	Antimony	0.2-3.7
7440-66-6	Zinc	0.005-0.06
7440-31-5	Tin	0.001-10.25
7440-47-3	Chromium	0.001-2.5
		0.004-2

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Nickel compounds.

Component Information/Information on Non-Hazardous Components

As supplied, this product is considered non-hazardous under 29 CFR 1910.1200 (Hazard Communication), however, dusts, particulates or fumes generated in the processing of this product are hazardous.

***** Section 3 - Hazards Identification *****

Emergency Overview

Product is a solid iron alloy. As supplied, this product does not present a physical or health hazard. Processing of the product for some final uses can include formation of dusts, particulates or fumes which may present certain health hazards. Dusts from this product may pose a dust explosion hazard. Contact of molten product with water poses an explosion hazard. Firefighters should wear a positive pressure self-contained breathing apparatus with full facepiece.

Hazard Statements

Dusts, particulates and vapors that may be produced in the processing of this product, may be irritating to the eyes, skin, respiratory system and gastrointestinal tract. Dusts, particulates or fumes that may be produced may contain metals that cause metal fume fever, a flu-like condition lasting 24 to 48 hours and includes fever, chills, aches, cough and general malaise. Exposure to dusts, particulates or fumes containing nickel may cause cancer. Fumes containing metallic components in this product may be hazardous.

Potential Health Effects: Eyes

Dust or powder may be irritating to the eyes. Rubbing may cause abrasion of the cornea.