

PAPER CALMENSON AND CO, PACAL BLADE DIV -- CARBON STEELS -- 3830-00-024-2488

=====  
Product Identification  
=====

Product ID:CARBON STEELS

MSDS Date:11/01/1985

FSC:3830

NIIN:00-024-2488

MSDS Number: BPHXL

=== Responsible Party ===

Company Name:PAPER CALMENSON AND CO, PACAL BLADE DIV

Address:HWY 280 AT HWY 36

Box:64432

City:ST. PAUL

State:MN

ZIP:55164-0432

Country:US

Info Phone Num:612-631-1111

CAGE:

64679

=== Contractor Identification ===

Company Name:PAPER CALMENSON AND CO, PACAL BLADE DIV

Address:HWY 280 AT HWY 36

Box:64432

City:ST. PAUL

State:MN

ZIP:55164-0432

Country:US

CAGE:64679

=====  
Composition/Information on Ingredients  
=====

Ingred Name:IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: BALANCE

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000

Fracti

on by Wt: .6-1.65%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: .20%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:0.5 MG/M3; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: .25%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9293

Ingred Name:RESIDUAL ELEMENTS  
Frac  
tion by Wt: 2%(MAX)  
Other REC Limits:NONE RECOMMENDED

=====  
===== Hazards Identification =====  
=====

LD50 LC50 Mixture:ORAL RAT LD50:  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:STEEL PRODUCTS IN THEIR PHYSICAL FORM  
DO NOT POSE ANY HEALTH HAZARDS. HOWEVER, WHEN SUBJECTED TO WELDING,  
BURNING, GRINDING, CUTTING, ABRASIVE BLASTING, OR SIMILAR  
OPERATIONS, POTENTIAL  
LY HAZARDOUS FUMES OR DUSTS MAY BE EMITTED.  
FUMES CONTAINING COMPONENTS OF THIS PRODUCT ARE EXPECTED TO BE  
EXTREMELY LOW CONCENTRATIONS  
Explanation of Carcinogenicity:CHROMIUM AND CERTAIN CHROMIUM COMPOUNDS  
TO BE KNOWN CARCINOGENS. NICKEL AND CERTAIN NICKEL COMPOUNDS  
PROBABLE CARCINOGEN  
Effects of Overexposure:IRON AND ALLOYS CONTAINING IRON AT HIGH  
TEMPERATURES MAY BE ASSOCIATED WITH BENIGN LUNG CONDITION.  
MANGANESE DUST AND FUMES CAN ACT AS A MINOR IRRITANT TO THE EYES

AND RESPIRATOR TRACT. CHROMIUM MAY CAUSE ALLERGIC SKIN CONDITIONS.  
NICKEL MAY CAUSE A SKIN RASH REFERRED TO AS NICKEL ITCH.  
Medical Cond Aggravated by Exposure:CHRONIC DISEASES OR DISORDERS OF  
THE RESPIRATORY SYSTEM.

===== First Aid Measures =====

First Aid:EYE CONTACT: NOT ANTICIPATED TO POSE A SIGNIFICANT EYE  
HAZARD. SKIN CONTACT: NOT ANTICIPATED TO POSE A SIGNIFICANT SKIN  
HAZARD. INHALATION: REMOVE FROM EXCESSIVE EXPOSURE LEVELS UN  
LESS  
PROPER RESPIRATORY PROTECTION IS WORN. INGESTION: NOT CONSIDERED  
AN INGESTION HAZARD.

===== Fire Fighting Measures =====

Extinguishing Media:STEEL PRODUCTS IN THE SOLID STATE PRESENT NO FIRE  
OR EXPLOSION HAZARD.  
Fire Fighting Procedures:STEEL PRODUCTS IN THE SOLID STATE PRESENT NO  
FIRE OR EXPLOSION HAZARD.  
Unusual Fire/Explosion Hazard:STEEL PRODUCTS IN THE SOLID STATE PRESENT  
NO FIRE OR EXPLOSION HAZARD.

===== Accident  
al Release Measures =====

Spill Release Procedures:NOT APPLICABLE TO STEEL IN THE SOLID STATE.

===== Handling and Storage =====

Handling and Storage Precautions:PROVISION SHOULD BE MADE TO EVALUATE  
AND CONTROL OPERATIONS WITH THE POTENTIAL TO PRODUCE AIRBORNE  
CONCENTRATIONS OF PARTICULATE.  
Other Precautions:NONE

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH/MSHA APPROVED DUST AND FUME  
RESPIRATORS  
SHOULD BE USED TO AVOID EXCESSIVE INHALATION OF PARTICULATES,  
WITHIN THE USE LIMITS OF THE RESPIRATOR.  
Ventilation:SHOULD BE SUFFICIENT TO MAINTAIN EXPOSURE LEVELS BELOW THE  
APPLICABLE EXPOSURE LIMITS.  
Protective Gloves:AS REQUIRED FOR WELDING  
Eye Protection:SAFETY GLASSES AS REQUIRED FOR WELDING  
Other Protective Equipment:WEAR INDUSTRIAL WORK CLOTHING. HAVE  
EMERGENCY EYE WASH AVAILABLE.  
Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental

Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE TO THE DUST. DO NOT GET ON SKIN OR IN EYES.

===== Physical/Chemical Properties =====

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:2800F,1538C

Spec Gravity:7.6-7.8

Appearance and Odor:METALLIC GREY, NO ODOUR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACIDS

Stability Condition to Avoid:NONE STATED BY THE MANUFACTURER

Hazardous Decomposition Products:

FUMES AND/OR GASES PRODUCED FROM  
WELDING OR BURNING OPERATIONS.

===== Disposal Considerations =====

Waste Disposal Methods:ANY EXCESS PRODUCT CAN BE RECYCLED FOR FURTHER USE, DISPOSED IN A PERMITTED HAZARDOUS WASTE LANDFILL, OR DISPOSED BY OTHER METHODS WHICH ARE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department

of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.