

SUN REFINING AND MARKETING COMPANY -- SR 4230 SAE 30 -- 9150-00-188-9858

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

Product ID:SR 4230 SAE 30

MSDS Date:09/07/1987

FSC:9150

NIIN:00-188-9858

MSDS Number: BRPBV

=== Responsible Party ===

Company Name:SUN REFINING AND MARKETING COMPANY

Address:1801 MARKET ST.TEN PENN CENTER; 18 FLOOR

City:PHILADELPHIA

State:PA

ZIP:19103

Country:US

Info Phone Num:215-447-1852

E

mergency Phone Num:215-447-1852

Preparer's Name:RAMONA PANSON

CAGE:8X531

=== Contractor Identification ===

Company Name:SUN REFINING AND MARKETING COMPANY

Address:1801 MARKET ST,TEN PENN CTR

Box:City:PHILADELPHIA

State:PA

ZIP:19103-1699

Country:US

Phone:215-977-6133

CAGE:8X531

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

Ingred Name:REFINED HEAVY PARAFFINIC DISTILLATES

CAS:64741-88-4

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MI

ST)

Ingred Name:ZINC DIALKYLDITHIOPHOSPHATE & ZINC DIARYLDITHIOPHOSPHATE
(MIXED)

CAS:68649-42-3

Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM OXIDE

CAS:1309-48-4

RTECS #:OM3850000

Fraction by Wt: 0.13%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 PARTICULATE

ACGIH TLV:10 MG/M3;TDUST; 9293

Ingred Name:PHOSPHOROUS

CAS:7723-14-0

RTECS #:TH3500000

Fraction by Wt: 0.12%

Other REC Limits:NONE RECOMMENDED

1 LB

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 0.13%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:OIL MIST TLV: 5 MG/M3
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION-NO ACUTE EFFECTS EXPECTED
TO TWICE EXPOSURE LIMITS. SKIN-MODERATE IRRITATION WITH PROLONGED
OR REPEATED CONTACT. EYE-CONTACT WITH THE EYE MAY CAUSE MODERATE
IRRITATION.
Explanation of Carcinogenicity:PROLONGED OR REPEATED CONTACT WITH USED
MOTOR OIL MAY BE HARMFUL TO SKIN & COULD CAUSE SKIN CANCER.
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Ai
d:INHALATION-NONE NORMALLY REQUIRED. SKIN-WASH WITH SOAP &
WATER UNTIL NO ODOR REMAINS. IF REDNESS OR SWELLING DEVELOPS,
OBTAIN MEDICAL ASSISTANCE. WASH CLOTHING BEFORE REUSE. EYES-FLUSH
WITH WATER FOR AT LEAST 15 MIN. OBTAIN MEDICAL ASSISTANCE.
INGESTION-GIVE LIQUIDS & INDUCE VOMITING UNLESS UNCONSCIOUS. OBTAIN
MEDICAL ASSISTANCE. SMALL AMOUNTS ENTERS THE MOUTH SHOULD BE RINSED
UNTIL GONE.

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

Flash Poin

t Method:COC

Flash Point:430F,221C

Extinguishing Media:WATER FOG. CHEMICAL FOAM. DRY CHEMICAL POWDER.
CARBON DIOXIDE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WHEN
FIRE FIGHTING IN CONFINED SPACE.

Unusual Fire/Explosion Hazard:CAN BE MADE TO BURN (FLASH POINT GREATER
THAN 200F).

===== Accidental Release Measures =====

Spill Release Procedures:CONTAIN SPILL. ABSORB ON INERT MATERIAL.

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

Handling and Storage Precautions:NFPA CLASS IIIB STORAGE. AVOID CONTACT
WITH THIS MATERIAL. WASH THOROUGHLY AFTER HANDLING.

Other Precautions:CAUTION!

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

Respiratory Protection:CONCENTRATION-IN-AIR DETERMINES PROTECTION AS
NEEDED. USE ONLY NIOSH CERTIFIED RESPIRATORY PROTECTION.

Ventilation:VENTILATE AS NEEDED TO COMPLY WITH EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES RECOMMENDED.

Eye Protec

tion:SPLASH PROOF CHEMICAL GOGGLES.

Other Protective Equipment:IF CONTACT IS UNAVOIDABLE, WEAR IMPERVIOUS
PROTECTIVE GEAR.

Work Hygienic Practices:LAUNDER SOILED CLOTHES. SAFETY SHOWER AND EYE
WASH AVAILABILITY RECOMMENDED.

Supplemental Safety and Health

NONE

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

HCC:V6

Boiling Pt:B.P. Text:WIDE RANGE

Vapor Pres:NIL

Vapor Density:15+

Spec Gravity:0.88

pH:6.6

Evaporation Rate & Reference:10000X SLOWER (ETY ETH=1)

Solub

ility in Water:NIL

Appearance and Odor:DARK FLUID, ENGINE OIL ODOR.

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON MONOXIDE & ASPHYXIANTS TRACES
OF OXIDES OF SULFUR AND ZINC.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

=====

Waste Disposal Methods:FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS. DO
NOT FLUSH TO DRAIN/STORM SEWER. CONTRACT TO AUTHORIZED DISPOSAL
SERVICE.

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 ut
ilizing this

document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.