

SUN REFINING AND MARKETING CO -- SR 4230 SAE 30 -- 9150-00-189-6729

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

Product ID:SR 4230 SAE 30

MSDS Date:07/09/1987

FSC:9150

NIIN:00-189-6729

MSDS Number: BQGLZ

=== Responsible Party ===

Company Name:SUN REFINING AND MARKETING CO

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

City:PHILADELPHIA

State:PA

ZIP:19103

Country:US

Info Phone Num:215-447-1852

Emergency

Phone Num:215-447-1852

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 (OR IT MAY CONTAIN
INGRED #2 OR #3)

CAS:64741-88-4

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL
MIST)

Ingred Name:RESIDUAL OILS, SOLVENT REFINED

CAS:64742-01-4

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:RESIDUAL OILS, HYDROTREATED

CAS:64742-57-0

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:ZINC ALKYLDITHIOPHOSPHATE

CAS:68649-42-3

Other REC Limits:NONE RECOMMENDED

Ingred Name:BORATED POLYISOBUTENYL SUCCINIC ANHYDRIDE

Other REC Limits:NONE RECOMMENDED

UM ALKYARYL DETERGENT
Other REC Limits:NONE RECOMMENDED

Ingred Name:METHACRYLATE COPOLYMER (EITHER #7 OR INGRD #8)
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIALKYL FUMARATE/VINYL ACETATE COPOLYMER
Other REC Limits:NONE RECOMMENDED

Ingred Name:MAGNESIUM
CAS:7439-95-4
RTECS #:OM2100000
Fraction by Wt: 0.13%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 AS MGO
ACGIH TLV:10 MG/M3 AS MGO

Ingred Name:PHOSPHORUS COMPOUNDS
Fraction by Wt: 0.12%
Other REC Limits:NONE RECOMMENDED

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:ORAL, RAT LD50: >5 G/KG
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INGESTION:LOW TOXICITY. MAY CAUSE G
I TRACT IRRITATION. INHALATION:INHALATION OF MIST/VAPORS/FUMES MAY CAUSE RESPIRATORY TRACT IRRITATION. SMALL AMOUNT ASPIRATED INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS. EYE:IRRITATION. SKIN:REPEATEDCONTACT MAY CAUSE IRRITATION. CHRONIC:DERMATITIS.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYES:REDNESS OR IRRITATION, SKIN:DRYNESS, FLAKING. INGESTION:DIARRHEA. INHALATION OF MIST/VAPORS:COUGHING OR DIFFICULTY IN BREATHING.
Medical Cond Aggravated by Exposure

e:SKIN DISEASES.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION:REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION:GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:COC
Flash Point:>430F,>221C
Extinguishing Media:CO2, DRY CHEMICAL, FOAM OR WATER FOG
Fire Fighting Procedures:WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:COMBUSTION MAY PRODUCE TOXIC COMPOUNDS OF BORON. NORMAL COMBUSTION FORMS CO2, WATER VAPOR, & MAY PRODUCE OXIDES OF NITROGEN. RESIDUE MAY IGNITE EXPLOSIVELY.

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

Spill Release Procedures:STOP SOURCE OF LEAK OR RELEASE. CLEAN UP SPILLS USING APPROPRIATE TECHNIQUES SUCH AS ABSORBING MATERIALS OR PUMPING. REMOVE CONTAMINATED SOIL. CONTAIN LIQUID TO PREVENT FURTHER CONTAMINATION OF SOIL, SURFACE WATER OR GROUNDWATER.

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

Handling and Storage Precautions:STORE AWAY FROM FLAMES.
Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE. DO NOT PRESSURIZE, CUT, WELD OR EXPOSE TO HEAT, FLAME, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF TLV IS EXCEEDED OR WHEN SPRAYING OR USING IN CONFINED SPACES.

Ventilation:ADEQUATE TO KEEP 15

Spec Gravity:0.88

pH:6.6

Evaporation Rate & Reference:1000X S

LOWER (ETHER=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK LIQUID, MILD OIL ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, SUCH AS CHLORATES, NITRATES, & PEROXIDES

Stability Condition to Avoid:OPEN FLAMES, HIGH HEAT.

Hazardous Decomposition Products:FUMES, SMOKE, OXIDES OF SULFUR, ZINC
AND CARBON.

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

Waste Disposal Methods:

PLACE CONTAMINATED MATERIALS IN DISPOSABLE

CONTAINERS & DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE, & LOCAL
REGULATIONS.

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