

ROUSSEL UCLAF CORP -- PERMANONE 40 MFG CONC. FOR MILITARY SPECS;85095 --
6840-01-334-2666

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

Product ID:PERMANONE 40 MFG CONC. FOR MILITARY SPECS;85095

MSDS Date:01/28/1992

FSC:6840

NIIN:01-334-2666

MSDS Number: BWSPQ

=== Responsible Party ===

Company Name:ROUSSEL UCLAF CORP

Address:95 CHESTNUT RIDGE RD.

City:MONTAVLE

State:NJ

ZIP:07645

Country:US

Info Phone Num:80

0-471-0660

Emergency Phone Num:800-471-0660

Preparer's Name:REGULATORY DEPT.

CAGE:GO720

=== Contractor Identification ===

Company Name:ROUSSEL UCLAF CORP

Address:95 CHESTNUT RIDGE RD

City:MONTVALE

State:NJ

ZIP:07645

Country:US

Phone:800-331-2867/201-307-3314

CAGE:GO720

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

Ingred Name:PERMETHRIN

CAS:52645-53-1

RTECS #:GZ1225000

Fraction by Wt: 40%

Other REC Limits:NONE RECOMMENDED

Ingred Name:COMPOUNDS RELATED TO NATURAL PYRETHR

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Fraction by Wt: 3.48%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PETROLEUM HYDROCARBONS

CAS:64742-47-8

RTECS #:OA5504000

Fraction by Wt: 48%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3 (OIL MIST)

ACGIH TLV:5 MG/M3 (OIL MIST)

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===== Hazards Identification =====
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1150MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic

:EYES:HMIS SUGGESTS THAT SOLVENTS MAY

CAUSE IRRITATION.SKIN:MAY CAUSE MODERATE IRRITATION.MAY BE DERMALLY
ABSORBED IN HARMFUL AMOUNTS.INGEST:LOW ORDER OF TOXICITY/RAPIDLY
METABOLIZED.MAY CAUSE GI TRACT IRRITATION.MAY CAUSE LUNG DAMAGE IF
VOMITED AFTER INGESTING.INHAL:MAY CAUSE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:THE FOLLOWING ARE EXCEPTS FRO

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CCINFO:INHAL:SNEEZING,COUGHING,DIFFICULTY BREATHING.INGEST:LARGE
DOSES MAY CAUSE NERVOUS SYSTEM
DISTURBANCES(EG.NAUSEA,VOMITING,IRRITABILITY,TREMORS,MUSCLE
WEAKNESS).

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====
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First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND
WATER.CALL PHYSICIAN.EYES:FLUSH WITH WATER FOR 15 MINUTES.CALL
PHYSICIAN.INHAL:REMOVE TO FRESH AIR.GIVE

OXYGEN OR ARTIFICIAL

RESPIRATION IF NEEDED. INGEST:DO NOT INDUCE VOMITING.GET
PROMPTQUALIFIED MEDICAL ATTENTION.

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===== Fire Fighting Measures =====
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Flash Point Method:TCC

Flash Point:115F,46C

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

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER
FOG.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MAN

UFACTURER.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CO

NTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,SPARKS,FLAMES AND INCOMPATIBLE MATERIALS.

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID SKIN AND EYE CONTACT.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS,DEPENDING ON THE AIRBORN CONCENTRA
TION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:RUBBER OR IMPERVIOUS.

Eye Protection:SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

EPA REG NO. 48

16-552.EPA EST NO. 279-NY-1.

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

HCC:F5

Spec Gravity:1.01

Solubility in Water:EMULSIFIES

Appearance and Odor:LIQUID,VISCOUS;BROWN;AROMATIC ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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sposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.DO NOT CONTAMINATE WATER OR FOOD.

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