

DAUBERT CHEMICAL COMPANY -- NOX RUST 208 (FORMERLY NOX RUST X-220). --
8030-00-244-1296

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

Product ID:NOX RUST 208 (FORMERLY NOX RUST X-220).
MSDS Date:03/01/1993
FSC:8030
NIIN:00-244-1296
MSDS Number: BTTGJ
=== Responsible Party ===
Company Name:DAUBERT CHEMICAL COMPANY
Address:4700 S CENTRAL AVE
City:CHICAGO
State:IL
ZIP:60638
Country:US
Info Phone Num:312-496-73
50/FAX 708-496-7367
Emergency Phone Num:312-496-7350/800-424-9300(CHEMTREC)
Preparer's Name:J KUKSUK
CAGE:7X108

=== Contractor Identification ===
Company Name:DAUBERT CHEMICAL CO
Address:4700 S CENTRAL AVE
Box:City:CHICAGO
State:IL
ZIP:60638-1531
Country:US
Phone:708-496-7350
CAGE:7X108
Company Name:RALRUBE INC.
Address:36977 FOX GLEN
Box:City:FARMINGTON HILLS
State:MI
ZIP:48331
Country:US
Phone:248-661-0260, FAX 248-661-3941
CAGE:6X798

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

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Ingred Name:ALIPHATIC PETROLEUM SOLVENT, (PER MSDS
CAS#:64742-88-7;64742-47-8;8052-41-3).

Fraction by Wt: 37-43%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM (MFG'S)

ACGIH TLV:100 PPM (MFG'S)

Ingred Name:PETROLEUM OIL (PER MSDS:SEVERELY SOLVENT REFINED &/OR
SEVERELY HYDROTREATED, CAS#:64741-96-4 &/OR 64742-52-5.)

Fraction by Wt: 33-37%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/CUM AS OIL MIST

ACGIH TLV:5 MG/CUM AS OIL MIST

Ingred Name:LEAD SOAP OF OXIDIZED PETRO
LEUM FRACTION (PER MSDS CAS#:

67674-14-0.)

Fraction by Wt: 10-15%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL MONOBUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Fraction by Wt: 2%

Other REC Limits:NONE RECOMMENDED

Ingred Name:VOLATILE ORGANIC COMPOUNDS, UNITS IN LBS/GAL.

RTECS #:9999999VO

Fraction by Wt: 3.1%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Report

s of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:EXCESSIVE INHAL MAY PRODUCE

DIZZ,NAU,HEAD,UNCOORDINATION.MAY CAUSE REVERSIBLE EYE/SKIN

IRRIT.PROLONG SKIN EXPOSURE MAY CAUSE DERM OR OIL ACNE.BREATHING

MISTS MAY CAUSE DIZZ/PULM IRRIT.CHRONIC:PO OR HYG/HAND PRACT COULD

CAUSE PB POISON.PROLONG EXPOSURE CAN SEVERELY DAMAGE REDBLOOD CELL

FORMAT/KID/CNS.

Explanation of Carcinogenicity:PER MSDS NONE OF THE COMPONENTS OF THIS

PRODUCT ARE LISTE

D AS CARCINOGENS BY NTP, IARC, OR OSHA 1910(Z).

Effects of Overexposure:DIZZ,NAU,HEAD,UNCOORDINATION,REVERSIBLE EYE/SKIN IRRIT.DERM,OIL ACNE,PULM IRRIT.EARLY SYMPTOMS OF PB POISON:FATIGUE,DISTURBACE OF SLEEP,CONSTIPATION W/MORE SEVERE EXPOSURES FOLLOWED BY COLIC,ANEMIA,NE URITIS(NERVE INFLAMM).OTHER SYMPTOMS:LOSS OF APPETITE,METALLIC TASTE,ANXIETY,NAU,PALLOR,HEAD,HYPERTENSION,DIZZ,FETUS DAM Medical Cond Aggravated by Exposure:EXPOSURE MAY AGGRAVATE PRE-EXISTING RESPIRATOR Y OR SKIN PROBLEMS.

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

First Aid:INHAL:REMOVE TO FRESH AIR. CALL EMERGENCY CARE. IF BREATH DIFFICULT GIVE OXYGEN. NOT BREATHING,GIVE ARTIFICIAL RESP. EYES:FLUSH EYES IMMEDIATELY W/RUNNING WATER @ LEAST 15MINS. SEEK MED ATTENTION IMMEDIATELY. SKIN:WASH W/SOAP & WATER . REMOVE CONTAMINATED CLOTHING/SHOES @ SITE. INGEST:DO NOT INDUCE VOMITING. CONSULT PHYSICIAN. IF VOMITING OCCURS SPONTANEOUSLY KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

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

Flash Point Method:TCC
Flash Point:105F,41C
Lower Limits:0.6
Upper Limits:7.0
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY, OR REGULAR FOAM.
Fire Fighting Procedures:WEAR + PRESSURE SCBA & PROTECTIVE CLOTHING.COOL CONTAINERS EXPOSED TO FLAMES W/WATER SPRAY.STAY UPWIND.KEEP OUT OF LOW AREAS.TANK,RAILCAR,TRUCK ON FIRE ISOLATE .5MI
Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL TO IGNITION SOURCE & FLASHBACK.CONTAINER MAY EXPLODE IN HEAT/FIRE.VAPOR EXPLOSION HAZARD INDOORS/OUTDOORS/SEWERS.

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

Spill Release Procedures:SHUT OFF IGNITION SOURCES;NO FLARES,SMOKING,FLAMES IN HAZARD AREA. STOP LEAK WITHOUT RISK. LARGE SPILLS:DIKE FAR AHEAD OF LIQUID SPILL FOR LATER DISPOSAL. SMALL SPILLS:TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL & PLACE INTO CONTAINERS FOR LATER DISPOSAL.

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===== Handling and S

torage =====

Handling and Storage Precautions:STORE IN COOL,WELL-VENT AREA.KEEP AWAY FROM FLAME,SPARK,HOT SURFACES.NEVER USE TORCH TO CUT/WELD ON/NEAR CNTNR.EMPTY CNTNRS CAN CONTAIN EXPLOSIVE VAPO

Other Precautions:NEVER WEAR OIL SOAKED CLOTHING.LAUNDER/DRY CLEAN BEFORE WEARING.DISCARD OIL SOAKED SHOES.WASH WELL W/SOAP & WATER (WATERLESS HAND CLEANSER MAY BE HELPFUL IN REMOVING RESIDUE) AFT USE & BEFORE SMOKING OR EATING.AVOID EXCESSIVE SKIN CONTACT.

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

Respiratory Protection:NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPOR AND MIST TO CONTROL EXPOUSRE WHERE VENTILATION IS INADEQUATE.

Ventilation:GENERAL AND LOCAL EXHAUST.

Protective Gloves:IMPERVIOUS (VITON, PVOH, ETC).

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS,CHEM GOGGL

Other Protective Equipment:IF SPLASHING IS ANTICIPATED, WEAR RUBBER APRON & BOOTS OR OTHER PROTECTIVE EQPMT TO MINIMIZE CONTACT.

Work Hygienic Practices:P

RACTICE GOOD PERSONAL HYGIENE, HOUSEKEEPING, & HANDLING.

Supplemental Safety and Health

FIRE:STAY AWAY FROM ENDS OF TANKS. USE UNMANNED HOSE HOLDER/MONITOR NOZ FOR MASSIVE FIRE IN CARGO AREA. WITHDRAW IMMED IF RISING SOUND FROM VENTING SAFETY DEVICE OR DISCOLORATION OF TANK.

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

HCC:F4

Boiling Pt:B.P. Text:>300F,>149C

Vapor Pres:3.4

Vapor Density:>1

Spec Gravity:0.894

Evaporation Rate & Reference: