

OCTAGON PROCESS -- ENGRAVER'S ACID -- 6810-00-237-2954

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

Product ID:ENGRAVER'S ACID

MSDS Date:01/01/1985

FSC:6810

NIIN:00-237-2954

MSDS Number: BDLYZ

=== Responsible Party ===

Company Name:OCTAGON PROCESS

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Info Phone Num:201-945-9400

Emergency Phone Num:201-945-9400

CAGE:82925

=== Contractor I

dentification ===

Company Name:OCTAGON PROCESS INC.

Address:596 RIVER ROAD

Box:City:EDGEWATER

State:NJ

ZIP:07020

Country:US

Phone:201-945-9400

CAGE:82925

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

Ingred Name:NITRIC ACID (SARA III)

CAS:7697-37-2

RTECS #:QU5775000

Fraction by Wt: 71%

OSHA PEL:2 PPM/4 STEL

ACGIH TLV:2 PPM/4 STEL; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Effects of Overexposure

:ACCELERATED RESPIRATORY RATE,DECREASED VITAL
CAPACITY.SKIN AND EYES:INTENSE PAIN AND SEVERE BURNS.

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

First Aid:INTERNAL:LARGE AMOUNTS OF LUKEWARM WATER WITH SALT/SOAPY
WATER OR MILK.FOLLOW WITH EGG WHITE.THIN CORN STARCH.CAUSES
VOMITING.REPEAT 3 TIMES.SKIN:USE DELUGE SHOWER.REMOVE ALL
CONTAMINATED CLOTHING WAS H AREA WITH SOAP AND WATER FOR 15
MINUTES.SEE DATA

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

Extinguishing Media:WATER SPRAYING
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS
Unusual Fire/Explosion Hazard:FIRE & EXPLOSION IN CONTACT WITH ORGANIC
MATERIALS AND EASILY OXIDIZABLE MATERIALS & HYDROGEN SULFID

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

Spill Release Procedures:FLUSH AREA WITH WATER SPRAY. COVER WITH SODIUM
CARBONATE OR AN EQUAL MIXTURE OF SODA ASH AND SLAKED LIME. AFTER
MIXING,ADD WATER IF NECESS
ARY TO FORM SLURRY.

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. KEEP
AWAY FROM METALLIC POWDERS,CARBIDE,HYDROGEN SULFIDE,TURPENTINE.
Other Precautions:AVOID ORGANIC ACIDS,ALL COMBUSTIBLE,ORGANIC OR OTHER
READILY OXIDIZABLE MATERIALS. AVOID DIRECT SUNLIGHT,BODY PROTECTIVE
SHIELD AVAILABLE.

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS.
Ventilation:GENERAL-YES
Protective Gloves:RUBBER
Eye Protection:SAFETY GOGGLES
Other Protective Equipment:FULL FACE SHIELD,RUBBER SHOES,PROTECTIVE
CLOTHING
Supplemental Safety and Health
NITRIC ACID INCREASES THE FLAMMABILITY OF WOOD, WOOD
CELLULOSE,COTTON,ETC;FOR NITRIC ACID IN EYES,IRRIGATE FOR 15
MINUTES WITH LUKEWARM WATER.SEEK MEDICAL ATTENTION.

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

HCC:C4
NRC/State Lic Num:NOT RELEVANT
Boi

ling Pt:=86.C, 186.8F

Vapor Pres:62

Spec Gravity:1.504

Solubility in Water:COMPLETE

Appearance and Odor:TRANSPARENT,COLORLESS TO YELLOW,PUNGENT ODOR.

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:AVOID ELEVATED TEMPERATURES AND PRESSURES.

Hazardous Decomposition Products:HYDROGEN IN CONTACT WITH
METALS;NITROGEN OXIDES

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

Waste Disp

osal Methods:ADD SLOWLY TO A LARGE AMOUNT OF SOLUTION OF SODA
ASH AND SLAKED LIME BY STIRRING. DISCHARGE THE SOLUTION WITH LARGE
AMOUNT OF WATER INTO APPROVED CONTAINER.

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.