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MONSANTO INDUSTRIAL CHEMICALS CO -- ROUNDUP READY-TO-USE WEED AND GRASS KILLER  
-- 6840-01-377-7113

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

Product ID:ROUNDUP READY-TO-USE WEED AND GRASS KILLER

MSDS Date:11/01/1993

FSC:6840

NIIN:01-377-7113

MSDS Number: BSRGM

=== Responsible Party ===

Company Name:MONSANTO INDUSTRIAL CHEMICALS CO

Address:755 PAGE MILL RD

Box:5008

City:PALO ALTO

State:CA

ZIP:94303

Countr

y:US

Info Phone Num:800-225-2883

Emergency Phone Num:CALL COLLECT: 314-694-4000

CAGE:50522

=== Contractor Identification ===

Company Name:EHRlich J C CHEMICAL CO INC

Address:500 SPRING RIDGE DR

Box:City:READING

State:PA

ZIP:19612-3848

Country:US

Phone:610-372-9700/FAX: 610-378-9744

CAGE:8C885

Company Name:EMULTEC INDUSTRIAL PRODUCTS INC

Address:1150 HAYDEN DR SUITE 100

Box:City:CHARROLLTON

State:TX

ZIP:75006

Country:US

Phone:972-417-1288

CAGE:0WA27

Company Name:MONSANTO INDUSTRIAL CHEMICALS CO

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ddress:755 PAGE MILL RD  
Box:City:PALO ALTO  
State:CA  
ZIP:94303  
Country:US  
Phone:800-225-2883  
CAGE:50522

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Composition/Information on Ingredients  
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Ingred Name:GLYSOPHOSATE,N-PHOSPHONOMETHYLGLCYNE,ISOPROPYL AMINE SALT,  
CAS:1071-83-6  
Fraction by Wt: 0.96%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:INERT INGREDIENTS  
Fraction by Wt: 99.04%  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:LD50(RAT  
)=>5000MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SKIN/EYE:DOES NOT PRESENT SIGNIFICANT  
IRRIT OR TOXICITY. INGEST:MAY CAUSE GI TRACT IRRIT. CHRONIC:NONE  
SPECIFIED BY MANUFACTURER.  
Effects of Overexposure:INGEST:GI DISCOMFORT, NAUSEA, VOMITING,  
DIARRHEA.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:EYE:FLUSH W/WATER FOR @ LEAST 15MINS LIFTING EYELIDS.  
SKIN:FLUSH W/WATER. INGEST:GET IMMED MEDICAL ATTN. INHAL:STOP  
USAGE. REMOVE TO FRESH AIR. IN ALL CASES SEEK MEDICAL ATTN.

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Fire Fighting Measures  
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Flash Point Method:TCC  
Flash Point:>212F,>100C  
Lower Limits:NONE SPECIF.  
Upper Limits:NONE SPECIF.  
Extinguishing Media:WATER SPRAY, FOAM, DRY CHEMICAL, CARBON DIOXIDE, OR  
OTHER CLASS B EXTINGUISHING AGENT.  
Fire Fighting P

Procedures:THOSE WHO MAY BE EXPOSED TO VAPORS, MISTS, OR  
PRODUCTS OF COMBUSTION SHOULD WEAR A SELF-CONTAINED BREATHING  
APPARATUS. CLEAN EQUIPT AFTER USE.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SOAK UP WITH PAPER TOWELS AND SICARD IN TRASH.  
DO NOT CONTAMINATE WATER, FOODSUTFFS, SEED OR FEED BY STORAGE OR  
DISPOSAL.

===== Handling and Storage =====  
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Handling and Storage Precautions:DO NOT REUSE EMPTY BOTTLE EXCEPT FOR  
REFILL IAW DIRECTIONS ON BOTTLE. USE & STORE PRODUCT ONLY IN ITS  
ORIGINAL CONTAINER AND SECURE STORAGE AREA.

Other Precautions:READ AND FOLLOW DIRECTIONS ON LABEL OF PRODUCT.

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

Respiratory Protection:RESPIRATORY PROTECTION IS NOT REQUIRED FOR  
NORMAL USE AND HANDLING.

Ventilation:NO SPECIAL PRECAUTIONS ARE RECOMMENDED.

Protective G

loves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:NONE SPECIFIED BY MANUFACTURER.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING. DO NOT  
USE NEAR FOODSTUFF.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:NONE SPECI.

Melt/Freeze Pt:M.P/F.P Text:NONE SPECI.

Decomp Temp:Decomp Text:NONE SPECI.

Vapor Pres:NONE SPEC.

Vapor Density:NONE SPEC

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Spec Gravity:1.0055G/ML  
pH:6.5,1%  
Evaporation Rate & Reference:NONE SPECIFIED BY MANUFA.  
Solubility in Water:NONE SPECIFIED BY M.  
Appearance and Odor:HAZY, YELLOW OR OFF-WHITE LIQUID.

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

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.  
Stability Condition to Avoid:FREEZING TEMPERATURES.  
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

===== Disposal Considerations  
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Waste Disposal Methods:DISPOSE OF PARTIALLY FILLED OR EMPTY PRODUCT  
CONTAINER BY SECURELY WRAPPING IT IN SEVERAL LAYERS OF NEWSPAPER  
AND DISCARD IN TRASH. READ AND FOLLOW DIRECTIONS ON ROUNDUP  
READY-TO-USE WEED & GRASS KILL ER LABEL.

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