

ACROS ORGANICS NV -- AMMONIUM PERSULFATE, REAGENT ACS, (CRYSTALS), 98+% (TITR.) --
6810-00-281-3021

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

Product ID:AMMONIUM PERSULFATE, REAGENT ACS, (CRYSTALS), 98+% (TITR.)

MSDS Date:09/02/1997

FSC:6810

NIIN:00-281-3021

Status Code:A

MSDS Number: CJSQW

=== Responsible Party ===

Company Name:ACROS ORGANICS NV

Address:ONE REAGENT LANE

City:FAIRLAWN

State:NJ

ZIP:074

10

Country:US

Info Phone Num:800-227-6701

Emergency Phone Num:800-424-9300 800-ACROS-01

Resp. Party Other MSDS Num.:00214

Chemtec Ind/Phone:(800)424-9300

CAGE:TO107

=== Contractor Identification ===

Company Name:ACROS ORGANICS N.V.

Address:ONE REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410

Country:US

Phone:800-227-6701;800-ACROS-01

CAGE:TO107

Company Name:FISHER SCIENTIFIC CO

Address:3970 JOHNS CREEK CT, SUITE 500

Box:City:SUWANEE

State:GA

ZIP:30024

Country:US

Phone:770-871-4500

Contract Num

:SP0450-00-M-D149
CAGE:8E930

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Composition/Information on Ingredients
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Ingred Name:AMMONIUM PERSULFATE
CAS:7727-54-0
RTECS #:SE0350000
= Wt:98.
ACGIH TLV:0.1 MG/M3

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Hazards Identification
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LD50 LC50 Mixture:ORAL, RAT: LD50 = 689 MG/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:IRRITATION AND POSSIBLE BURNS.

SKIN:MA
Y CAUSE SKIN SENSITIZATION. MAY CAUSE SEVERE IRRITATION AND
POSSIBLE BURNS. INGESTION: HARMFUL, MAY CAUSE SEVERE
GASTROINTESTINAL TRACT IRRITATION WITH NAUSEA, VOMITING AND
POSSIBLE BURNS. INHALATION: MAY CAUSE SEVERE IRRITATION OF THE
RESPIRATORY TRACT WITH SORE THROAT, COUGHING, SHORTNESS OF BREATH
AND DELAYED LUNG EDEMA. CHRONIC:NO INFORMATION FOUND.

Effects of Overexposure:SEVERE EYE AND SKIN IRRITATION WITH POSSIBLE
BURNS. SEVERE GASTROINTESTINAL TRACT IRRITATION WITH
NAUSEA,
VOMITING AND POSSIBLE BURNS. SEVERE IRRITATION OF THE RESPIRATORY
TRACT WITH SORE THROAT. COUGHING, SHORTNESS OF BREATH AND DELAYED
LUNG EDEMA.

Medical Cond Aggravated by Exposure:SKIN DISORDERS.

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First Aid Measures
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First Aid:FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES,
OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS. GET MEDICAL AID
IMMEDIATELY. SKIN: GET MEDICAL AID. FLUSH SKIN WITH PLENTY OF SOAP

AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES. INGESTION: IF VICTIM IS CONSCIOUS AND ALERT,
GIVE 2-4 CUPFULS OF MILK OR WATER. GET MEDICAL AID IMMEDIATELY.
WASH MOUTH OUT WITH WATER. INHALATION: GET MEDICAL AID
IMMEDIATELY. REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT
BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT,
GIVE OXYGEN. TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

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Fire Fighting
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Measures =====

Extinguishing Media:USE WATER SPRAY, DRY CHEMICAL, OR CARBON DIOXIDE.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR A SELF-CONTAINED APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR. STRONG OXIDIZER. CONTACT WITH COMBUSTIBLE MATERIALS MAY CAUSE A FIRE.

Unusual Fire/Explosion Hazard:THIS MATERIAL IN SUFFICIENT QUANTITY AND REDUCED PARTICLE SIZE IS CAPABLE OF CREATING A DUST EXPLOSION.

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Accidental Release Measures =====

Spill Release Procedures:VACUUM OR SWEEP UP MATERIAL AND PLACE INTO A SUITABLE DISPOSAL CONTAINER. PROVIDE VENTILATION.

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

Handling and Storage Precautions:STORE IN A TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES. WASH THOROUGHLY AFTER HANDLING. MINIMIZE DUST GENERATION AND ACCUMULATION. DO NOT STORE NEAR COM

BUSTIBLE

MATERIALS.

Other Precautions:USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS LOW. WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH SKIN AND EYES. AVOID INGESTION AND INHALATION.

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

Respiratory Protection:FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR 1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:US

E ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS LOW.

Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN EXPOSURE.

Eye Protection:WEAR APPROPRIATE PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES PER OSHA.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE. WEAR PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES DESCRIBED BY OSHA'S EYE & FACE PROTECTION REGULATIONS IN 29 CFR 1910.133 /EUROPEAN STANDARD EN166.

Work Hygienic Practices

es:WASH THOROUGHLY BEFORE EATING/DRINKING/SMOKING
& AT END OF WORKDAY.

Supplemental Safety and Health

MSDS LISTS A FLASH POINT OF 80C (176F) FOR THIS MATERIAL WHICH IS
QUESTIONABLE AS MOST BOOKS SAY THIS MATERIAL IS NON-FLAMMABLE. THIS
MATERIAL IS AN OXIDIZER, AIDS IN COMBUSTION.

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

HCC:D1

Boiling Pt:B.P. Text:DECOMPOSES @ 120C

Melt/Freeze Pt:=0.C, 32.F

Decomp Temp:=80.C, 176.F

Vapor Pres:NOT AVAILABLE

Vapor Density:NO

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Spec Gravity:NOT AVAILABLE

pH:NOT AVAILABLE

Viscosity:NOT AVAILABLE

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:800 G/L (20@C)

Appearance and Odor:SOLID, WHITE ODORLESS (CRYSTALS)

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

Stability Indicator/Materials to Avoid:YES

CAN BE EXPLOSIVE WHEN MIXED WITH ALUMINUM POWDER OR IRON OR SODIUM
PEROXIDE. CATALYTIC DECOMPOSITION MAY OCCUR IN PRESENCE OF LEAD,
SILVER, COPPER, MAGNESIUM, ZINC, CADM
IUM, NICKEL, IRON, & COBALT.

STRONG REDUCING AGENTS, O

Stability Condition to Avoid:STABLE UNDER NORMAL TEMPERATURES &
PRESSURES. SUBSTANCE IS SHOCK SENSITIVE & THERMALLY UNSTABLE.

Hazardous Decomposition Products:NITROGEN OXIDES, CARBON MONOXIDE,
OXIDES OF SULFUR, CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:LD50 RAT = 689 MG/KG

===== Ecological Info

rmation =====

Ecological:NO DATA AVAILABLE.

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

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL,
STATE, AND LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:PSN: AMMONIUM PERSULFATE,5.1,UN1444,III.

===== Regulatory Information =====

SARA Title III Information:SEC 302 RQ, TPQ = NONE. SEC 313
= NOT

REPORTABLE. SEC313 EPCRA & CERCLA CHEMICAL CATEGORIES= ACUTE AND
REACTIVE. CLEAN AIR ACT=NOT LISTED. CLAEAN WATER ACT=NOT LISTED.
Federal Regulatory Information:LISTED ON TSCA INVENTORY.
State Regulatory Information:AMMONIUM PERSULFATE CAN BE FOUND ON THE
FOLLOWING STATES RIGHT TO KNOW ACT LIST: NEW JERSEY. CALIFORNIA:
NOT LISTED. MATERIAL IS LISTED ON THE CANADIAN DSL LIST.

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