

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 W

ITH 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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