Material Safety Data Sheet
Potassium hexachloroplatinate(iv) ca.40% pt

ACC# 01217

Section 1 - Chemical Product and Company Identification

MSDS Name: Potassium hexachloroplatinate(iv) ca.40% pt
Catalog Numbers: AC195350000, AC195350010, AC195350050
Synonyms:
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
16921-30-5	Potassium hexachloroplatinate (IV)	100.0	240-979-3

Hazard Symbols: None listed.
Risk Phrases: None listed.

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: yellow orange solid. May cause allergic skin reaction. May cause allergic respiratory reaction. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. **Caution!**
Target Organs: No data found.

Potential Health Effects
Eye: May cause eye irritation. May cause conjunctivitis.
Skin: May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Contact with the skin may cause urticaria (hives).
Ingestion: May cause irritation of the digestive tract.
Inhalation: May cause asthmatic attacks due to allergic sensitization of the respiratory tract. Causes irritation of mucous membrane. Inhalation may produce tearing, sneezing, rhinorrhea (the free discharge of a thin nasal mucus), cough, dyspnea (labored breathing), bronchial asthma, and cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood).
Chronic: Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation may cause effects similar to those of acute inhalation.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid. Flush skin with plenty of 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. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Use agent most appropriate to extinguish fire.
Flash Point: 250 deg C (482.00 deg F)
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Potassium hexachloroplatinate (IV)	none listed	none listed	none listed

OSHA Vacated PELs: Potassium hexachloroplatinate (IV): No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance: yellow orange
Odor: Not available.
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point:250 deg C
Decomposition Temperature:250 deg C
Solubility: 50 g/l (99 c)
Specific Gravity/Density:3.4990g/cm3
Molecular Formula: Cl6K2Pt
Molecular Weight:486.01

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, dust generation.
Incompatibilities with Other Materials: Platinum is incompatible with aluminum, acetone, arsenic, carbon + methanol, nitrosyl chloride, dioxygen difluoride, ethanol, hydrazine, hydrogen + air, hydrogen peroxide, lithium, methyl hydroxyperoxide, ozonides, peroxymonosulfuric acid, phosphorus, selenium, tellurium, vanadium dichloride + water.
Hazardous Decomposition Products: Chlorine.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 16921-30-5: TP1650000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 16921-30-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: No data available.
Neurotoxicity: No data available.
Mutagenicity: Has caused mutation in mammalian somatic cells at concentrations of 10 æmol/l.
Other Studies: No data available.

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	DOT regulated - small quantity provisions apply (see 49CFR173.4)				No information available.
Hazard Class:					
UN Number:					
Packing Group:					

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 16921-30-5 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
SARA

CERCLA Hazardous Substances and corresponding RQs
None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 16921-30-5: acute.
Section 313
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 16921-30-5 can be found on the following state right to know lists: New Jersey.
California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols:
Not available.
Risk Phrases:

Safety Phrases:
S 16 Keep away from sources of ignition - No smoking.
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 16921-30-5: 2
Canada - DSL/NDSL
CAS# 16921-30-5 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of D2B, E.
Canadian Ingredient Disclosure List
CAS# 16921-30-5 is listed on the Canadian Ingredient Disclosure List.
Exposure Limits
CAS# 16921-30-5: OEL-ARAB Republic of Egypt:TWA 0.002 mg(Pt)/m3 (dus

t) OEL-AUSTRALIA:TWA 0.002 mg(Pt)/m3 OEL-BELGIUM:TWA 0.002 mg(Pt)/m3 OEL-CZECHOSLOVAKIA:TWA 0.001 mg(Pt)/m3;STEL 0.002 mg(Pt)/m3 OEL-DEN MARK:TWA 0.002 mg(Pt)/m3 OEL-FINLAND:TWA 0.002 mg(Pt)/m3 OEL-GERMANY :TWA 0.002 mg(Pt)/m3 OEL-HUNGARY:STEL 0.002 mg(Pt)/m3 OEL-THE NETHER LANDS:TWA 0.002 mg(Pt)/m3 OEL-THE PHILIPPINES:TWA 0.002 mg(Pt)/m3 OE L-SWITZERLAND:TWA 0.002 mg(Pt)/m3 OEL-UNITED KINGDOM:TWA 0.002 mg(Pt) /m3 OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 9/02/1997
Revision #2 Date: 3/18/2003