

Safety Data Sheet

APC/54JA

SDS No. 16018.3

Date of Preparation: 10/26/05

Revision: 9/11/15

Section 1 - Chemical Product and Company Identification

Product: APC/54JA

Recommended Use: Glass separator

Manufacturer: Marshall Additive Technologies

Division of the R. J. Marshall Company

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Date Revised: 9/11/15

Preparer: Stephanie Nichols

Section 2 - Hazards Identification

Classification of the chemical in accordance with paragraph (d) of 1910.1200: Hazardous

GHS Classifications:

Eye irritation-Category 2

Skin sensitization-Category 1

Acute toxicity, Oral-Category 4

HMIS

H 2

F 1

R 0

PPE[†]

[†]Sec. 8

Signal Word: Warning



Symbols:

Hazard Statements:

Causes serious eye irritation.

May cause an allergic skin reaction.

Harmful if swallowed.

Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear eye protection/face protection/protective gloves.

Wash thoroughly with plenty of soap and water after handling.

If skin irritation or rash occurs: Get medical advice/attention.

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

If eye irritation persists: Call a POISON CENTER or doctor/physician.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

Do not eat, drink, or smoke when using this product.

Avoid release to the environment.

Contaminated work clothing should not be allowed out of the workplace.

Wash contaminated clothing before reuse.

Collect spillage.

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified: None

Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% Weight
Diiodomethyl-p-tolylsulfone	20018-09-1	0.21% max
Adipic Acid	124-04-9	90% max
Polyethylene glycol tert-octylphenyl ether	9002-93-1	10% max
Propylene Glycol	57-55-6	0.042% max
Calcium lignosulfonate	8061-52-7	0.009% max
Polyalkylene glycol	9003-11-6	0.009% max

Section 4 - First Aid Measures

Description of necessary measures, subdivided according to the different routes of exposure:

Inhalation: If person experiences labored breathing or shortness of breath remove from area of exposure. If condition persists, contact physician or emergency medical service.

Eye Contact: Wash with large amounts of water for 15 minutes periodically lifting the upper and lower lids. Remove contact lenses if present after the first five minutes. Get medical attention without delay.

Skin Contact: Wash skin thoroughly with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing before reuse.

Ingestion: Get medical attention. If victim is conscious and alert, give 2-4 cups of water.

Most important symptoms/effects, acute and delayed: See information above.

Indication of immediate medical attention and special treatment needed: Treat symptomatically and supportively.

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, alcohol foam, or CO₂.

Unsuitable Extinguishing Media: None known.

Specific hazards arising from the chemical:

Unusual Fire or Explosion Hazards: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum explosive concentration in air (dust): 10-15mg/L.

Hazardous Combustion Products: Carbon monoxide and/or carbon dioxide.

Fire-Fighting Instructions: Wear self-contained breathing apparatus and protective clothing.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Evacuate all unnecessary personnel. Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment.

Methods and materials for containment and cleaning up: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Pick up spill for recovery or disposal and place in a closed container.

Section 7 - Handling and Storage

Precautions for safe handling: Keep in a tightly closed container, store in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Avoid dust formation and control ignition sources. Employ grounding, venting, and explosion relief provisions in accord with accepted engineering practices. Empty only into inert or non-flammable atmosphere where flammable vapors may be present could cause a flash fire or explosion due to electrostatic discharge.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: A well-ventilated area to control dust levels. Dust tight conveying and handling equipment is recommended to minimize airborne dust levels. A system of local and/or general exhaust is recommended.

Administrative Controls:

Respiratory Protection: If the exposure limit is exceeded, a full face-piece with dust/mist filter may be worn. Where the exposure limits are not known, use a full face-piece positive-pressure, air-supplied respirator.

Protective Clothing/Equipment: Use chemical safety goggles and/or full face-shield where dusting is possible. Maintain eye wash fountain and quick drench facilities in work. Rubber gloves and lab coat, apron, or coveralls.

Work Hygiene: Wash hands after each exposure especially before and after using sanitary facilities.

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Diodomethyl-p-tolylsulfone	none estab.	none estab.	none estab.	none estab.
Adipic Acid	none estab.	none estab.	5 mg/m ³	none estab.
Polyethylene glycol tert-octylphenyl ether	none estab.	none estab.	none estab.	none estab.
Propylene Glycol	none estab.	none estab.	none estab.	none estab.
Calcium lignosulfonate	none estab.	none estab.	none estab.	none estab.
Polyalkylene glycol	none estab.	none estab.	none estab.	none estab.

Section 9 - Physical and Chemical Properties

Appearance: white solid Odor: none Odor Threshold: not applicable pH: not available Freezing/Melting Point: not available Boiling Point: >392°F (>200°C) Flash Point: not determined Flash Point Method: not applicable Evaporation Rate: not available Flammability: Not applicable Upper/lower flammability limits: Not applicable	Vapor Pressure: .106mmHg @ 77°F (25°C) Vapor Density (Air=1): 5.04 Relative Density: not available Water Solubility: partially soluble. Other Solubilities: n/a Partition coefficient: n-octanol/water; not available. Auto-ignition Temperature: 788°F (420°C) Decomposition Temperature: not available Viscosity: not applicable
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Section 10 - Stability and Reactivity

Reactivity: Stable under normal conditions.

Chemical Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: None anticipated under normal or recommended handling and storage conditions.

Conditions to Avoid: Avoid conditions which generate dust. Avoid sparking, electrical discharge, and sources of ignition. Keep away from incompatible materials, heating to decomposition.

Incompatible materials: strong oxidizers, bases, reducing agents, materials reactive with hydroxyl compounds, strong acids. Corrosive to mild steel at room temperature.

Hazardous Decomposition Products: CO, CO₂.

Section 11- Toxicological Information

Information on the likely routes of exposure: Inhalation, Ingestion, and Skin.

Symptoms related to the physical, chemical, and toxicological characteristics:

Inhalation: May cause respiratory tract irritation.

Eye: Causes severe eye irritation.

Skin: Causes skin irritation.

Ingestion: Moderately toxic.

Delayed and immediate effects and also chronic effects from short- and long-term exposure: Skin contact may aggravate preexisting dermatitis.

Numerical measures of toxicity:

	Adipic Acid	Polyethylene glycol tert-octophenyl ether
Oral LD ₅₀ (rat)	>5000 mg/kg	1800 mg/kg
Inhalation LD ₅₀ (rat)	>7.7 mg/l (4hr)	No data available
Dermal LD ₅₀ (rabbit)	>7900 mg/kg	8000 mg/kg
Skin Irritation (rabbit)	Slightly irritating	No data available
Eye Irritation (rabbit)	Highly irritating, risk of serious damage to eyes	Moderate eye irritation (24 hrs)
Skin Sensitization (guinea pig)	Non-sensitizing	No data available
Repeat Dose Toxicity (oral, rat 2 years)	NOAEL: 750 mg/kg	No data available

Carcinogenicity: Not considered to be carcinogenic by OSHA, IARC, or NTP.

Section 12 - Ecological Information

Eco-toxicity:

Adipic Acid:

LC₅₀ (96hr, Brachidanio rerio): >= 1,000 mg/l

LC₅₀ (48hr, Daphnia magna): 46 mg/l

EC₅₀ (72hr, Pseudokirchneriella subcapitata; growth rate): 59 mg/l

EC₅₀ (3hr, Activate sludge): >7000 mg/l

Polyethylene glycol tert-octophenyl ether:

LC₅₀ (96hr, Pimephales promelas (fathead minnow)): 8.9 mg/l

EC₅₀ (48hr, Daphnia): 26 mg/l

Persistence and degradability:**Polyethylene glycol tert-octophenyl ether:**

Biotic/Aerobic Biochemical oxygen demand-Exposure time 28 days: 36%-Not readily biodegradable.

Chemical Oxygen Demand: 2.19 mg/g

Bio-accumulative potential:**Adipic Acid:** 83% BOD (30d, OECD 301D); Bioaccumulation is not expected on the basis of the low Pow value of 0.093.**Mobility in soil:** No data available.**Results of PBT and vPvB assessment:** not available.**Other adverse effects:** None known.**Section 13 - Disposal Considerations****Disposal:** Dispose as solid waste in sanitary landfill or incinerate according to Federal, State, and local regulations.**Section 14 - Transport Information****DOT Transportation Data (49 CFR 172.101):****UN Number:** not classified as dangerous goods**UN proper shipping name:** not classified as dangerous goods**Transport hazard classes:** None**Packaging group:** None**Environmental hazards:** None**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable**Special precautions for user:** None**Section 15 - Regulatory Information****EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification: Not classified

CERCLA Hazardous Substance (40 CFR 302.4)

- Adipic Acid RQ 5000# (Release of more than 5,000lbs requires notification to the National Response Center (800-424-8802).

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Adipic Acid: RQ = 5000 lbs

SARA 311/312 Hazard Categories: Acute health; Chronic health

California Proposition 65: This product does not contain any components known to the State of California to cause cancer.

TSCA

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

Section 16 - Other Information**Prepared By:** Stephanie Nichols**Revision Notes:** updated to SDS**Product Grades Available from the R. J. Marshall Company** (this list may be incomplete):

APC54JA

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