

ABERDEEN CHEMICAL PLANT
CHEMICAL APPROVAL/HAZARD ASSESSMENT

REQUEST FOR USE

Product Name: DAISO DAP Monomer	Manufacturer: DAISO Co. Ltd.	Status: New ☒ Revision ☐
Requested by: TRM		
What will the material be used for? Additive in Resin Recipe		
Which department(s) will use the material? Vinyl		
Inventory Requirements: ☐ Less than 500 lbs. ☒ Greater than 500 lbs. ☐ Greater than 10,000 lbs.		
Category (circle appropriate category) Filter Media/Aids or Absorbents Adhesives & Sealants Fuels - Gases or Liquids Paintings & Coatings Catalysts & Initiators Heat Transfer Fluids <u>Process Chemicals & Additives</u> Compound - Colorants Industrial Gases - Pipeline or Cylinder Raw Materials Compound - Fillers & Lubricants Laboratory Reagents or Chemicals Refrigerants Compound - Other Ingredients Landscaping/Pest Control Solvents & Cleaners - include Chemical cleaning Compound - Plasticizers Lubricants Water Treatment Chemicals Compound Stabilizers Miscellaneous - Not Otherwise Listed		
Requested by:		Date:
Note: PLEASE ATTACH THE MSDS TO THIS FORM AND FORWARD BOTH TO THE SAFETY SUPERVISOR		

SAFETY REVIEW

Physical Hazards (check all appropriate)			
☐ Combustible liquid	☐ Flammable gas	☐ Organic peroxide	☐ Unstable
☐ Compressed gas	☐ Flammable liquid	☐ Oxidizer	☐ Water-reactive
☐ Explosive	☐ Flammable solid	☐ Pyrophoric	☐ Corrosive
Health Hazards (check all appropriate)			
☐ Carcinogen	☒ Irritant	☐ Sensitizer	☐ Toxic
Biomodes of Entry (check all appropriate)			
☒ Eye	☒ Skin	☒ Inhalation	☐ Ingestion
Is training required for this material? (Circle one)		Yes	No
Comments:			
Approved for use: Shea Sayt		Date:	7/25/00
Not approved for use:		Date:	

ENVIRONMENTAL REVIEW

Would this chemical impact plant emissions?	(Circle one)	Yes	No
Would this chemical produce hazardous waste?	(Circle one)	Yes	No
If hazardous, it is so due to: (check all appropriate)			
☐ Ignitability	☐ Corrosivity	☐ Reactivity	☐ Toxicity ☐ A listed waste
Reportable under SARA 313 under any quantity?	(Circle one)	Yes	No
Is the chemical listed under CERCLA?	(Circle one)	Yes	No
☐ Listed as a Hazardous Substance (40 CFR 302.4)		RQ: _____ Lbs.	
☐ Listed as an Extremely Hazardous Substance (40 CFR 355.20)			
Comments: TSCA Listing verified w/ another vendors MSDS			
Approved for use: Glenn G. La		Date:	7/28/00
Not approved for use:		Date:	

Entered into DMS by: _____ Date: _____ Revision Date 11-9-1999
K:PSM/chmappform

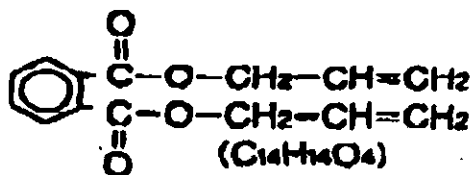
c/11

Material Safety Data Sheet

Jun. 4, 1996.
DAISO CO., LTD
1-10-8, Edobori, Nishi-ku, Osaka, Japan
Tel. (06) 445-8861
Fax. (06) 445-9787

1. MATERIAL IDENTIFICATION

Product Name DAISO DAP MONOMER
Chemical Name Diallyl ortho phthalate monomer



CAS Registry number 131-17-9

2. HAZARDOUS INGREDIENTS

No hazardous monomer only.

3. PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	305°C (at 760mmHg)
Specific Gravity	1.11
Vapor Pressure	0.05mmHg (100°C)
Vapor Density	8 (Air=1)
Solubility in Water	0.02% (18°C)
Reactivity in Water	None.
Appearance and Odor	Clear, colorless or slightly yellow liquid of no odor.
Melting point	Not applicable.

4. FIRE & EXPLOSION DATA

Flash point	165°C (method used open cup)
Flammable Limits	Not applicable.
Auto-ignition temp.	435°C
Extinguisher Media	Water, fog, Dry chemical, CO ₂ , etc.
Special Fire Fighting Procedures	Don't enter fire area without proper protection. Fight fire from safe distance/protected location.
Unusual Fire and Explosion Hazards	Will not occur.

5. PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Stable—Conditions to avoid high temp. and sunlight.
Incompatibility (Materials to avoid)	Strong oxidizing agent. Strong acids. Strong alkalis.
Hazardous Decomposition Products	May decompose to form carbon monoxide or acrolein (fumes of allylic compounds).
Hazardous Polymerization	May Occur (Conditions with Peroxide)

6/11

6. HEALTH HAZARDS**Acute**

Moderate inhalation hazard
 Moderate eye irritant
 Moderate skin irritant

Toxicity

ori-rat LD50 770mg/kg
 ipr-mus LD50 700mg/kg
 ori-rbt LDLO 1500mg/kg
 skn-rbt LDLO 2800mg/kg
 acu-rbt LDLO 1000mg/kg

Signs and Symptoms of Exposure**Inhalation**

Overexposure may cause coughing shortness of breath. Disinfect intoxication and collapse.

Eye contact

May cause moderate irritation including burning sensation tearing redness or swelling.

Skin absorption

No significant signs or symptoms indicative of any health hazard are expected to occur as a result of skin absorption exposure.

Skin irritation

May cause delayed skin irritation and blistering.

Ingestion

This material may be a slight health hazard if ingested in large quantities.

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program: Yes
 I. A. R. C Monographs : No
 OSHA : No

Emergency and First Aid Procedures**Inhalation**

If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration is needed obtain emergency medical attention. Prompt action essential.

Eye contact

In case of eye contact. Immediately rinse with clean water for 20-30 minutes. Retract eyelids often. Obtain emergency medical attention.

Skin contact

Immediately remove contaminated clothing. Wash skin thoroughly with mild soap/water. Flush water/lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Seek medical attention if ill effect or irritation develops.

Ingestion

If swallowed, give lukewarm water and induce vomiting if victim completely conscious/alert. Obtain emergency medical attention. Notify physician or any serious side effects.

Routes of entry

Inhalation : Yes
 Eyes : Yes
 Skin : No
 Ingestion : Yes

7/11

7. SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**Precautions to be Taken
in Handling and Storage**

Don't handle near heat, sparks, or open flame. Don't get in eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapor. Use only with adequate ventilation/personal protection. Keep container closed. Don't taste/swallow. Prevent contact with food, chewing, or smoking materials. Strage to keep it at a cool, dark and well ventilated place.

**Steps to be Taken in Case Material
is Released or Spilled**

Evacuate/limit access. Equip responders with proper protection. Stop release. Prevent flow to sewers/public waters. notify fire/environmental authorities. Restrict water use for clean up. Impound/recover large land spill. Soak up small spill with inert solids. Use suitable disposal containers. On water material insoluble/may float or sink. Contain/minimize dispersion/collect. Disperse residue to reduce aquatic harm. Report per regulatory requirements.

Waste Disposal Methods

Comply with federal/state/local regulations for solid waste disposal. Recover waste liquids for superficial recycle/reuse. Incinerate spent dry solids used as spill control absorbent and liquid residues. Avoid flameouts assure emissions comply with applicable regulations.

8. SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**Respiratory Protection**

Self-contained breathing apparatus or organic mask.

Ventilation

Required.

Local Exhaust

Required.

Hands, Legs and Body Protection

To wear a rubber gloves, long boots and apron.

Eyes and Face protection

To wear goggles.

Work/Hygienic Practices

To wash hands thoroughly after handling.