

# MSDS Document

## Product SK6503

### 1. Chemical Product and Company Identification

#### Trade Name of this Product SK6503

Synonyms: DVD adhesive, UV curable resin for optical disc

MSDS ID : MSDS00142

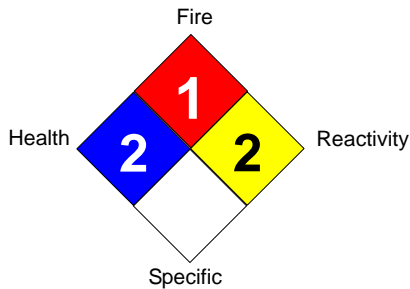
#### Distributor

Sony Chemicals Corporation of America  
16530 Via Esprillo Drive, MZ 5185  
San Diego, California 92127-1708  
Phone number: (858) 942-5900

#### Emergency phone

CHEMTREC (800) 424 - 9300

Revision Date 06/10/2008



Health:	2
Fire:	1
Reactivity:	2
Specific:	<input type="checkbox"/>

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Acrylated Oligomers	Trade Secret	30% - 45%			
Acrylated Monomers	Trade Secret	25% - 45%			
2-Phenoxyethyl acrylate	48145-04-6	20% - 35%			
Photoinitiators	Trade Secret	3% - 10%			

### 3. Hazard Identification

#### Emergency Overview

This product is a clear, viscous liquid. It may cause irritation, as listed in the "Potential Health Effects," so suitable protective gear is recommended. Avoid exposure to direct sunlight or other sources of UV light as polymerization may occur. Also avoid elevated temperatures, >80°C, as self polymerization will occur.

#### Hazardous Components

2-Phenoxyethyl acrylate

#### Potential Health Effects: Eyes

Primary route. May cause moderate irritation with symptoms including burning sensation, tearing, redness, or swelling.

#### Potential Health Effects: Skin

Primary route. Some acrylate materials are absorbed through the skin. This material may cause an allergic skin reaction (sensitization) in susceptible individuals upon repeated exposure.

#### Potential Health Effects: Ingestion

May be harmful if swallowed.

#### Potential Health Effects: Inhalation

No significant signs or symptoms indicative of any adverse health hazard are expected to occur at standard conditions due to the low volatility of this material. However, aerosols, or vapors which may be generated at elevated processing temperatures, may cause respiratory tract irritation. Symptoms of irritation may include coughing, mucous production and shortness of breath.

### 4. First Aid Information

#### Eye:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

#### Skin:

Remove contaminated clothing and discard. For skin contact, wipe away excess material with dry towel. Then wash affected and surrounding skin area with soap and water for several minutes. Get medical attention if irritation occurs.

#### Inhalation:

If inhaled, remove person from area into fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

#### Ingestion

If material is swallowed, get immediate medical attention or advice. If choking, remove obstruction from passageway and seek immediate medical attention. DO NOT induce vomiting unless instructed to do so by medical personnel.

## 5. Fire Fighting Measures

### Extinguishing media

Use alcohol foam, carbon dioxide, dry chemical powder or water spray when fighting fires involving this material.

### Fire fighting instructions

Evacuate area and fight fire from a safe distance. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Hazardous polymerization of this product may occur under fire conditions and toxic fumes may be emitted.

### Flash Point

120°C (250°F) (estimated)

### Sensitivity to Mechanical Impact (Y/N)

No

### Sensitivity to Static Discharge

Sensitivity to static discharge is not expected.

## 6. Accidental Release Measures

### Clean-up

Absorb spilled material with non-flammable, inert absorbent. Wear appropriate protective equipment and clothing during clean-up. Ventilate the contaminated area. Thoroughly wash the area with water after a spill or leak.

### Containment

Contain the discharged material. Do not allow the spilled product to enter public drainage systems or open water sources. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

### Evacuate

If this material is released, isolate the area and keep unnecessary personnel away.

## 7. Handling and Storage

### Handling

This product must be contained in a well ventilated area if mist or aerosol is generated. Avoid contact of this product with eyes, skin and clothing. Use this product with adequate ventilation. Remove contaminated clothing and shoes. Always wash thoroughly with soap and water after handling this product, especially prior to eating.

### Storage

Store in a dry area and prevent moisture contact. Store in tightly closed, properly vented containers away from: heat, sparks, open flame, strong oxidizers, radiation and other initiators. Avoid UV light and sunlight exposure. Prevent contamination by foreign materials. Use only non-sparking

tools and limit storage time. Store in original container in dry location at temperatures between 5°C (41°F) and 40°C (104°F).

## 8. Exposure Controls and Personal Protection

### Exposure guidelines

None established as product.

### Eye and Face Protection

Wear safety glasses with side-shields or goggles to protect against exposure.

### Ventilation

Use only in well-ventilated area. Use localized ventilation in accordance with 1910.94.

### Respiratory Protection Equipment

Appropriate respiratory protection (NIOSH/MSHA-Approved USA) is recommended when exposure to mist or aerosol is likely and ventilation is inadequate. Respirators should be selected at the discretion of the end user and used in accordance with OSHA, Subpart I (29 CFR 1910.134) and manufacturers' recommendations. A dual organic vapor/dust/mist cartridge is recommended.

### Protective Gloves

Use appropriate chemical-resistant gloves when handling.

## 9. Physical and Chemical Properties

**Physical State** Liquid

**Specific Gravity** 1.1

**Color/Appearance** Clear

**Odor** Acrylate

**Boiling/Cond. Point** N/A

**Melting/Freezing Point** N/A

**Solubility** Insoluble in water

**Percent Volatile** N/A

**Vapor Pressure** N/A

## 10. Stability and Reactivity

### Hazardous Polymerization

Polymerization may occur if exposed to high temperatures (>85°C) or direct UV light sources.

### Hazardous Thermal Decomposition/Combustion Products

Carbon dioxide and carbon monoxide

### Stability

Stable under normal handling conditions

## 11. Toxicological Information

### Acrylic esters Proprietary

Acute Oral LD50 (mg/kg): None Found  
Acute Dermal LD50 (mg/kg): None Found  
Acute Inhalation LC50 (mg/L): None Found  
Other: None

### Skin Irritation

Primary Irritation Index (PII): 0.2; to rabbits. This product was classified as 'mildly irritating' according to the criteria of the ECETOC.

### Acute effects

Harmful by inhalation, ingestion or skin absorption. Vapor or mist is irritating to eyes, mucous membranes and upper respiratory tract. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

### Chronic effects

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

### Photo-initiating system Proprietary

Acute Dermal LD50 (mg/kg): Unknown  
Acute Inhalation LC50 (mg/L): Unknown  
Acute Oral LD50 (mg/kg): Unknown  
Other: None

## 12. Ecological Information

### Chemical Fate Information

Unknown

### Ecotoxicological Information

Unknown

### Environmental

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13. Disposal Considerations

### Disposal Instructions

It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. Comply with all applicable federal, state, and local regulations. Use only registered transporters.

### US EPA Waste Number and Descriptions

There are no applicable EPA waste numbers for this product or its components.

## 14. Transportation Information

**DOT Hazard Class:**

Not regulated.

**DOT Label(s)**

None

**DOT Shipping Name**

None

**Packing Group**

None

**Placards**

None

**UN/NA Number**

None

## 15. Regulatory Information

**SARA Section 302**

None found

**SARA (311, 312) Hazard Class**

None

**SARA (313) Chemicals**

This product contains 2-phenoxyethyl acrylate which is subject to reporting requirements in the glycol ethers category.

**HMIS**

Flammability 1; Reactivity 2; Health 2

**NFPA**

Flammability 1; Reactivity 2; Health 2

**WHIMS Hazard Class**

Non-Controlled

**WHMIS Trade Secret**

None

## 16. Other Information

**Additional Information:**

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.