



# SAFETY DATA SHEET

Issue Date : 25 June 2021

Revision 1.2

## SECTION 1: IDENTIFICATION

### 1.1 Product Details

Product name : Release Agent  
Trade Name : Silicone Mold Release 3S  
Chemical Name : Polyalkyl siloxanes  
Chemical Formula :  $C_3H_9SiO(SiOC_2H_6)_nOSiC_3H_9$   
Molar Mass : N/A  
Chemical Family : Silicone  
Manufacturer's code : P-6  
Use : Release Agent for thermoset plastics, rubber & similar materials

### 1.2 Company Identification

Manufacturer's Name : Aerosol Specialists Sdn Bhd  
& address : 7713 Lorong IKS Bukit Minyak 2  
Taman IKS Bukit Minyak  
14100 Bukit Minyak, Penang, Malaysia  
  
Emergency Telephone : 604-507 9928  
Mobile : 012-488 9923  
Email : info@aerosolspecialists.com

### 1.3 Contact Point

Designation : Manager  
Tel No : 604-507 9928, 012-488 9923

## SECTION 2: HAZARDS IDENTIFICATION

Appearance : Clear colorless solution  
Physical state : aerosol  
Odour : Hydrocarbon smell

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable Aerosols	Category 1

### Signal Word

Danger

Hazard Statements

Extremely flammable aerosol  
Harmful if swallowed  
Harmful in contact with skin  
Harmful if inhaled  
May causes respiratory irritation or drowsiness or dizziness  
Causes serious eye irritation  
Causes skin irritation



Precautionary Statements – Prevention

Pressurised container. Do not pierce or burn even after use.  
Protect from sunlight. Do not expose to temperature exceeding 50°C/122°F.  
Keep away from heat/sparks/openflames/hotsurface - No smoking.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use only outdoors or in a well ventilated area.  
Keep out of reach of children.

Precautionary Statements – Response

**If** in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing. If eye irritation persists, get medical attention.  
**If** on skin: wash with plenty of soap and water.  
Call a doctor if you feel unwell.  
Take off contaminated clothing and wash it before re-use.  
**If** inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**If** swallowed: Immediately call a doctor  
Do not induce vomiting.

Precautionary Statements – Storage

Store locked up. Store in well-ventilated place. Keep container closed. Protect from sunlight. Do not expose to temperature exceeding 50°C/122°F.

Precautionary Statements – Disposal

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

Other Hazards

Harmful to aquatic life.

---

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

---

COMPONENTS	CAS NO	WEIGHT %
Silicone	63148-62	< 5
Aliphatic hydrocarbons	64742-49-0	30-50
Liquefied Petroleum gas	68476-85-7	> 50

---

**SECTION 4: FIRST-AID MEASURES**

---

- Ingestion : Give victim 1 or 2 glasses of milk or water to drink. Contact a physician or a poison control centre. Do not induce vomiting. Never give anything by mouth to someone who is unconscious or convulsing. Get medical help.
- Eye contact : Immediately flush eyes, including under the eyelids gently but thoroughly with plenty of running water for at least 15 minutes. Get medical help.
- Skin contact : Promptly flush the exposed area with water. Remove contaminated shoes and clothing. Get medical help,
- Inhalation : Remove victim to fresh air. Restore and/or support his breathing as required. Keep him warm and quiet. Get medical help.
- Notes to physician : Individual with a history of chronic respiratory or skin disease may be at increased risk from exposure.

---

**SECTION 5: FIRE FIGHTING MEASURES**

---

- Extinguishing media: Use dry chemical, foam, carbon dioxide. Water may be ineffective in extinguishing a fire involving aliphatic hydrocarbon. Use water spray to cool fire exposed containers to disperse vapors and to protect personnel who are attempting to stop any leak.
- Fire fighting instructions: Fire fighter must wear self contained breathing apparatus with full facepieces.
- Special hazards : This flammable liquid is a dangerous fire hazard and a moderate explosion hazard when exposed to heat flame or oxidisers. Vapor are heavier than air and may travel a considerable distance to the source of ignition and flash back to the original source of the material. Do not cut, weld, heat or drill empty container.

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

- Steps to be taken in case material is release or spilled : Remove leaking container to outside disposal site. Remove all sources of heat and ignition. Provide maximum explosion proof ventilation. Those involved in cleanup need protection against contact with liquid and inhalation of vapor.

---

**SECTION 7: HANDLING AND STORAGE**

---

- Handling Precautions: Store indoors away from direct sunlight, below 50°C. Do not drop, puncture or incinerate. Do not spray directly into flame. Do not smoke while using. Wash hands before handling food or smoke.
- Storage : Store containers away from strong acids, bases and oxidising agents. Store in cool, dry well ventilated area away from heat, sparks and open flame. Protect containers from physical damage.

---

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

---

Exposure Guidelines

Component / Chemical Name	OSHA PEL-TWA	ACGIH TLV-TWA	TLV STEL
Polysiloxanes 63148-62	Not available	Not available	Not available
Aliphatic Hydrocarbon 64742-49-0	Not available	Not available	300 ppm
Liquefied Petroleum Gas 68476-85-7	Not available	1000 ppm	Not available

- a. Exposure Limit : Provide general and local exhaust ventilation. Ventilation fans and other electrical service must be non-sparking and have an explosion proof design.
- b. Engineering measures: Ground and bond metal containers and equipment to prevent static sparks.
- c. Personal protection : If product is used often use appropriate NIOSH approved respirator or any supplied air respirator with or without a full facepiece. Use gloves made of rubber or neoprene, face shield, apron, boots and other appropriate protective clothing. Wear safety glasses or splash goggles to prevent any possibility of contact with the eyes.

---

**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

---

Physical Appearance                      Aerosol, clear solution  
Color                                              Colorless  
Odor                                                Hydrocarbon smell

<u>Property</u>	<u>Values</u>	<u>Method</u>
pH	Not determined	
Melting Point	Not relevant	
Boiling Point/Range	> 64°C (liquid concentrate)	
Flash Point	< 0°C (liquid)	Open cup Cleveland
Evaporation Rate	14	n-butyl acetate = 1
Flammability	LEL 1.73 UEL 12.68	
Vapor Pressure(25°C)	> or equal 5 kg/cm <sup>2</sup> (aerosol)	
Vapor Density	2.3	Air = 1
Specific Gravity	0.71 (liquid)	
Water Solubility	Negligible	
Soluble in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-Ignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Density	0.61 g/ml (aerosol)	

---

**SECTION 10: STABILITY & REACTIVITY**

---

- Conditions to avoid : Avoid exposure to heat, sparks and open flame and prolonged exposure to sunlight.
- Incompatibles : This material is incompatible with strong oxidising agent.
- Decomposition Products: Burning of this material produces carbon dioxide and/or carbon monoxide.
- Hazardous polymerization: It does not undergoes hazardous polymerization.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

Effects of Over-exposure – Route of Entry

- Inhalation : Vapors are irritating to the eyes, nose and upper respiratory tract. Exposure to high concentration of the vapor may cause light headedness, incoordination and unconsciousness.
- Skin contact : The liquid is irritating to the skin. Prolonged contact may cause dermatitis.
- Eye contact : Irritation may cause temporary corneal damage.
- Skin absorption : Not identified.
- Ingestion : Irritation of the gastrointestinal tract, headache, nausea, vomiting, dizziness, unconsciousness and may be fatal.
- Chronic effects : No chronic systemic effects have been reported in humans.
- Target organs : Skin, respiratory systems central nervous system.
- Medical conditions : Individuals with a history of chronic respiratory or skin disease may be at generally aggravated By exposure increased risk from exposure.

Component Information

Component / Chemical Name	Oral LD 50	Dermal LD 50	Inhalation LD 50
Polysiloxanes 63148-62	estimated > 5000 mg/kg	-	-
Aliphatic Hydrocarbon 64742-49-0	LD50 > 15,000 mg/kg	LD50>2000mg/kg	Minimally toxic Based on available literature
Liquefied Petroleum Gas 68476-85-7	-	-	LC 50, rat > 31 mg/L

Information on physical, chemical and toxicological effects

Symptoms Please see Section 4 of this SDS.

Delayed and immediate effects as well as chronic effects from short and long term exposure

Germ cell mutagenicity No cause of genetic defects.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity May damage fertility or unborn child.

Single exposure May cause respiratory irritation. May cause dizziness.

Repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

Ecotoxicity

Do not allow to enter drains or waterways. Harmful to aquatic life.

Chemical Name	Result	Species	Exposure
Aliphatic Hydrocarbon	Expected to be toxic to aquatic organisms	Not Available	Not Available
Liquefied Petroleum Gas	LPG evaporates quickly in contact with water No acute or chronic impact in practice		

Persistence/Degradability

Chemical Name	Aquatic half-life	Photolysis	Biodegradability
Aliphatic Hydrocarbon	-	-	Expected to be readily biodegradable
Liquefied Petroleum Gas		Quick oxidation by photo-chemical reaction in air	-

Bioaccumulation

Chemical Name	Log P <sub>ow</sub>	BCF (Bioconcentration Factor)	Potential
Aliphatic Hydrocarbon	N/A	Not expected to bioaccumulate	N/A
Liquefied Petroleum Gas	Not expected to bioaccumulate		

Mobility

Both Aliphatic Hydrocarbon and Liquefied Petroleum Gas are likely to volatilise rapidly into the air because of high vapor pressure.

Other Adverse Effects

Not determined.

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

Do not allow to enter drains or water courses.

Waste Treatment Methods

Disposal of Wastes                      Disposal should be in accordance with applicable regional, national including exemptions and special circumstances.

Contaminated Packaging                Disposal should be in accordance with applicable regional, national including exemptions and special circumstances.

---

**SECTION 14: TRANSPORT INFORMATION**

---

Note                                              Please refer to current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN 1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Packing Group	Nil

IATA

UN/ID No	UN 1950
Proper Shipping Name	Aerosols, flammable
Hazard Class	2.1
Packing Group	Nil

IMDG

UN/ID No	UN 1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Packing Group	Nil
Marine Pollutant	No

---

**SECTION 15: REGULATORY INFORMATION**

---

International Regulations

Not determined

Malaysian Occupational Safety & Health Act

This section should contain information on proposed classifications, risk phrase and safety phrase.

Classification                                :            Extremely flammable, harmful  
Subsidiary Risk

- Risk Phase	:	R5 R13 R16 R18 R20/21/22 R36/37/38	Heating may cause explosion Extremely flammable liquefied gas Explosive when mixed with oxidizing substances In use may form flammable/explosive vapor air mixture Harmful by inhalation, in contact with skin and if swallowed Irritating to eyes, respiratory system and skin
- Safety Phase	:	S3/9/14/49	Keep only in the original container in a cool, well ventilated place away from oxidizing agents.

---

## SECTION 16: OTHER INFORMATION

---

Date of Revision	25 June 2021
Reason of revision	Complying with GHS
Section revised	All 16 sections revised
Prepared by	Lee Tak Veng – Technical Dept

### Key to Hazard Statements

H222	Extremely flammable aerosol
H302	Harmful if swallowed (oral)
H312	Harmful if contact with skin (dermal)
H332	Harmful if inhaled (gas, vapor, dust, mist)
H335/H336	May causes respiratory irritation or drowsiness or dizziness
H319	Causes serious eye irritation
H315	Causes skin irritation

### Key to Precautionary Statements

P 251	Pressurized container. Do not pierce or burn even after use
P 410/412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
P 210	Keep away from heat/sparks/open flames/hot surfaces – NO SMOKING
P 280	Wear protective gloves/protective clothing/eye protection/face protection
P 271	Use only outdoors or in well ventilated area

To the best of our knowledge, the information contained herein is accurate. However, neither Aerosol Specialists Sdn Bhd nor any of its distributors assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exists.