

Section 1 - Manufacturer Information

Manufacturer/Distributor IMS Company Emergency Phone # 800-424-9300
10373 Stafford Road Prepared by Safety Advisor
Chagrin Falls, OH 44023-5296 Prepared/Revised July 30, 2004
WEB imscopy.com Email sales@imscopy.com

Trade Name Synthetic Virgin Diamond Compounds

Part Numbers 120778, 120781, 120782, 120784, 120787, 120790, 120792, 120793, 120796,
120797, 120798, 120800, 120804, 120806, 120807, 120809

Hazardous Material Information System

Health1	Flammability0	Reactivity 0	Protection X
* Chronic (Accumulates)			
0 Normal use Material	0 Will Not Burn	0 Stable	X = Consult the
1 Slight Hazard (temporary)	1 Possible to Burn	1 Unstable if Heated	MSDS and
2 Health Affected (lengthy)	2 Burns if Heated	2 Violent Chemical Change	your supervisor
3 Extreme Danger	3 Easily Burns	3 Shock and Heat Sensitive	for your special
4 Severe or Fatal	4 Very Easily Burns	4 May Explode workplace need	

NOTE The HMIS may be not enough hazard information for this chemical in all workplaces. The HMIS system requires employee training about the system and about information in this MSDS.

Section 2 - Hazardous Ingredients

Chemical/Common Name	CAS-Number	%	PEL-OSHA	TLV-ACGIH
Castor Glycerides	8001-78-3	(1)	(2)	(2)
Polyalkylene Glycol	9003-13-8	(1)	(2)	(2)
Methyl Ester of Rosin	8050-15-5	(1)	(2)	(2)
Vegetable Oil	None	(1)	(2)	(2)
Esters	8012-89-3	(1)	(2)	(2)
Diamond (as a dust)	7782-40-3	(1)	10 mg/m ³ (3)	10 mg/m ³ (3)

(1) The percentages of these components have been withheld by the formulator as trade secret.
(2) None Established
(3) Nuisance dust level

Does this product contain carcinogens (NTP, IARC, or OSHA)? No

Section 3 - Health Hazard Data

HEALTH EFFECTS - (Acute and Chronic – None established) As with any petroleum-based product, skin irritation or skin dermatitis can occur if prolonged or repeated skin contact occurs. Keep out of open wounds. Avoid breathing large quantities of the thermal decomposition fumes.

Inhalation Not volatile at ambient temperatures. Dizziness, if exposed to decomposition vapors.

Ingestion Copper can exhibit slightly toxic effects if ingested. May cause gastrointestinal discomfort.

Section 3 - Health Hazard Data (continued)

Eyes Prevent eye contact. Irritation if gotten into eyes.

Skin Prevent skin contact. Irritation can occur from prolonged or repeated skin contact. Keep out of open wounds.

PRIMARY ROUTES OF ENTRY Skin contact, ingestion.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None known

EMERGENCY FIRST AID PROCEDURES

Eye Contact Flush eyes immediately with water for at least 15 minutes. May cause temporary eye irritation.

Skin Contact Wash affected area with soap and water; use a fingernail brush as needed. Wash contaminated clothing before re-use. Seek medical attention if irritation persists.

Inhalation Remove to fresh air. Not likely under normal conditions of use. If using in high temperature applications where thermal decomposition is likely, use local exhaust to keep down fumes. If dizziness occurs, seek fresh air.

Ingestion Induce vomiting; Seek medical attention immediately.

Section 4 - Chemical Data

Boiling Point	NA	Specific Gravity (Water = 1)	>1
Vapor Pressure (mmHg)	NA	Percent Volatile by Volume (%)	NA
Evaporation Rate (Ether = 1).....	NA	Solubility in Water	NIL
Melting Point.....	NA	Reactivity in Water	None

Appearance and Odor Information Paste, mild odor; variety of colors.

Section 5 - Physical Hazard Data

Flash Point (COC)..... >305° F Flammable Limits LEL = NA UEL = NA

Extinguishing Media Foam, carbon dioxide, and dry chemical.

Special Fire Fighting Procedures This compound will not burn unless it is pre-heated. Water may be used to cool the containers. However, frothing may occur if water is sprayed directly into a burning container.

Unusual Fire and Explosion Hazards Spilled contents may cause slippery floors. Noxious or toxic fumes may be formed in a fire. Wear self-contained breathing apparatus.

Incompatibility (Materials to Avoid) Strong oxidizers

Hazardous Decomposition Products CO and CO2

Section 5 - Physical Hazard Data (continued)

Will Hazardous Polymerization Occur? No

Conditions to Avoid for Polymerization NA

Is the Product Stable? Yes

Conditions to Avoid for Stability High heat, incompatibles.

Section 6 - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled Because of the viscous nature of this product, spills are unlikely. Clean up using inert materials; Prevent material from spreading; Dispose of immediately; Wear appropriate protective equipment. Scoop it back into the container.

Waste Disposal Methods Consult Federal, State, or Local disposal authorities for approved procedures. Contains a petroleum oil, the preferred method of disposal is incineration. Do not discharge into sewers or waterways.

Section 7 - Exposure Control Information

Ventilation General ventilation, local exhaust, or mechanical or special ventilation to minimize exposure to product vapors.

Respiratory Protection Generally not required if adequate ventilation is provided. If this product is being used in high temperature applications where the product "smokes," use a local exhaust, or ventilate the area to maintain the air quality or use a NIOSH approved organic vapor respirator.

Protective Gloves Protect persons with open wounds or with skin sensitivity or if prolonged or repeated skin contact is expected, wear solvent-resistant gloves such as Viton, Polyvinyl Alcohol, or equivalent rubber gloves.

Other Protective Equipment As required by your company. If contact with the product is likely, eye protection is recommended. Goggles or safety glasses with side shields and face shield will provide protection in most situations.

Other Engineering Controls To determine exposure levels, monitoring should be performed. Eyewash station should be available

Work Practices Do not use in confined or closed space. Ventilation should maintain the concentration of the product and its components below their exposure limits.

Hygienic Practices Avoid contacts with skin and avoid breathing vapors. Do not eat, drink, or smoke in work area. Wash hands thoroughly after handling and before eating, drinking, or using restroom after using this or any chemical product.

Section 8 - Special Precautions

Precautions to be Taken in Handling and Storage Keep container closed. Store at room temperature, plus or minus 10 degrees. Store away from high heat, open flames, and strong oxidizers. Keep away from children.

Maintenance Precautions Do not remove or deface label.

CAUTION Intentional misuse of this chemical product, as with any industrial chemical, in contact with the body can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other body contact, or repeated or continuous contact.

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