



MATERIAL SAFETY DATA SHEET

INTEGRITY GEL SYSTEM: CLEAR GLAZE

1: PRODUCT AND COMPANY IDENTIFICATION SECTION

PRODUCT NAME: INTEGRITY CLEAR GLAZE

PRODUCT CODES: INMICLG

MANUFACTURER: International Nail Manufacturers (inm)
Division of Nail Cartel, Inc.

ADDRESS: 1221 N. Lakeview Ave.
Anaheim, CA 92807

EMERGENCY PHONE: 352-323-3500 **INFOTRAK:** 1-800-535-5053 **International:** 1-

OTHER CALLS: 1-800-541-9838

FAX PHONE: 1-714-779-9971

PREPARED BY: Garret Kellenberger, Production Manager
1-714-779-9892

Chemical Identity CAS# EINECS# INCI (or other substance) Name

Exposure

OSHA

Limits

ACGIH

Carcinogen %

TWA/STEL TWA/STEL IARC/NTP/OSHA

Polyurethane Acrylate

Oligomer

Exempt N/E Polyurethane Acrylate

Oligomer

N/E N/E Not Listed 70-75

Tetraethylene glycol

Dimethacrylate

109-17-1 203-653-1 PEG-4

Dimethacrylate

N/E N/E Not Listed 15-20

Ethyl Methacrylate 97-63-2 202-597-5 Ethyl Methacrylate 100 ppm 100 ppm Not Listed 5-10

Hydroxycyclohexyl

phenyl ketone

947-19-3 213-426-9 Hydroxycyclohexyl

phenyl ketone

N/E N/E Not Listed 1-3

D&C Violet #2 81-48-1 201-353-5 Violet 2/CI60725 N/E N/E Not Listed 0-1

N/E - None Established

N/R - Not Reviewed

N/DA - No Data Available

N/A - Not Applicable

Hazard Symbols: Xi, F **Risk Phrases:** R22, R36/37/38, R43 **Safety Phrases:** S18, S24/25, S36/37, S38, S46

EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.



- Flammable liquid and vapor!
- May be slightly toxic.
- May cause moderate skin injury (reddening & swelling).
- May cause chemical burn in eye.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry

No specific information available.

Eye Contains materials that are essentially nonirritating, but contact may cause slight transient irritation.

Material may act as a Lachrymator (a substance which increases the flow of tears).

Skin Contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization.

Prolonged contact may cause blister formation (burns). Since irritation may not occur immediately, contact can go unnoticed.

Ingestion May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation May cause respiratory tract irritation with presence of monomer. Vapors may cause dizziness or suffocation.

Sub-Chronic Effects

No specific information available. Limited tests showed no evidence of teratogenicity in animals. A lifetime skin painting study with mice showed no evidence of carcinogenicity.

NOTE: Refer to Section 11, Toxicological Information for Details

First Aid for Eye Flush with plenty of water for 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Do NOT allow victim to rub or keep eyes closed.

MATERIAL SAFETY DATA SHEET INTEGRITY GEL SYSTEM: CLEAR GLAZE

First Aid for Skin Remove contaminated clothing and wash contact area with soap and water for 15 minutes. Get

medical aid if systems persist. Wash clothing before reuse.

First Aid for Inhalation In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing

has stopped, administer artificial respiration and seek medical attention.

First Aid for Ingestion Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If

conscious and alert, rinse mouth and drink 2 to 4 cupfuls of milk or water.

Flash Point (°F/°C) Flammable Limit (vol%) Auto-ignition Temperature (vol%)

110°F/43°C Penske-Martin No Data No Data

Method:

Extinguishing Media: Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.

Fire Fighting

Instructions:

Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.



Unusual Hazards: High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.

Spill or Release

Procedures

Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spill material into retaining containers. Place containers in a well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

Handling Ground and bond containers when transferring material. Avoid contact with skin and eyes, and clothing. Use with adequate ventilation and avoid breathing in vapor. Keep container closed when not in use. Avoid contact with heat, sparks and flame.

Remove all contaminated clothing, shoes, belts and other leather goods immediately. Incinerate leather goods (including shoes).

Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling.

Solvents should

not be used to clean skin because of increased penetration potential. Do not pressurize, cut, weld, braze, solder, drill, grind, or

expose empty containers to heat, sparks, or open flames.

Material is extremely light sensitive. Use extreme care and do not expose to natural or UV light, unless using material for its

intended use. Since the material is very photosensitive any type of light may initiate the curing process.

Storage Keep away from heat, sparks, and flame. Store in a tightly closed container. Store in a cool, dry, well-ventilated place, away

from any type of light. Store at temperatures below 100°F/38°C.

Store product in a totally opaque container.

Explosion

Hazard

High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers.

Engineering

Controls

Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.

Personal Protective Equipment

General To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard



assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product . Provide eye wash stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

MATERIAL SAFETY DATA SHEET INTEGRITY GEL SYSTEM: CLEAR GLAZE

Eye/ Face

Protection

Wear safety glasses. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact due to splashing or spraying material.

Skin

Protection

Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.

Respiratory

Protection

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by nuisance level organic vapor dust masks can be used, however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Appearance Odor & Odor Threshold pH Specific Gravity Viscosity % Volatile

Clear, semi-viscous liquid characteristic acrylate odor NA (H₂O=1) : 1.15 N/DA By Volume : < 0.5

Boiling Point/ Decomposition Octanol/Water Vapor Vapor Evaporation Ignition Solubility

Freezing Point

Temperature Partitioning Coefficient

Log Po/w

Pressure: Density Rate In Water

(20°C)

N/A N/A N/A (mm Hg) @

20°C:< 0.01

No Data No Data No Data Insoluble

Flash Point (°F/°C) Flammable Limit (vol%) Auto-ignition Temperature (vol%)

110°F/43°C Penske-Martin No Data No Data

Stability Incompatibility (Materials to Avoid):

Normally Stable Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and string bases.

Hazardous Decomposition Products: Hazardous Polymerization:

Fumes produced when heated to decomposition may include:

carbon monoxide, carbon dioxide.

May occur -- Uncontrolled polymerization may cause rapid evolution of heat



and increased pressure that could result in violent rupture of sealed storage vessels or containers.

Conditions to Avoid:

Storage <100°F/38°C, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

Acute Oral Toxicity Acute Dermal Toxicity Acute Inhalation Toxicity Irritation - skin Irritation - Eye

No information available No information available No information available No information available No information available

Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

Sensitization Mutagenicity Sub-chronic Toxicity

No information available No information available No information available

Ecotoxicological Information**Acute Toxicity****To Fish****Acute Toxicity****to Invertebrates****Acute Toxicity****to Algae****Bioconcentration Toxicity to Sewage****Bacteria**

No information available No information available No information available No information available No information available

Chemical Fate Information

Biodegradability No information available

Chemical Oxygen Demand No information available

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

Do not allow to enter drinking water supplies, wastewater, or soil.

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility.

Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. For EU

Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

MATERIAL SAFETY DATA SHEET

INTEGRITY GEL SYSTEM: CLEAR GLAZE

DOT (49 CFR 172)

Proper Shipping Name: Flammable liquids, n.o.s.,(ethyl methacrylate, acrylic esters), 3, UN1993, PGIII

Identification Number: UN1993

Marine Pollutant: No

Special Provisions: N/A

Emergency Response Guidebook (ERG) #: 128

IATA (DGR):



Proper Shipping Name: Flammable liquids, n.o.s.,(ethyl methacrylate, acrylic esters), 3, UN1993, PGIII

Class or Division: 3.2

UN or ID Number: UN1993

Packaging Instructions:

Emergency Response Guidance (ICAO)#:

IMO (IMDG):

Proper Shipping Name: Flammable liquids, n.o.s.,(ethyl methacrylate, acrylic esters), 3, UN1993, PGIII

Class or Division: 3

UN or ID Number: UN1993

Special Provisions & Stowage/Segregation: None

Emergency Schedule (EmS)#:

Other Information: Flash point = 43°C

US Federal Regulations

Clean Air Act: HAP/ODS This product contains hazardous air pollutants (HAP's), as defined by the U. S. Clean Air

Act. They are as follows:

- NONE

This product does not contain any Class1 or Class 2 ODS.

Clean Water Act: Priority Pollutant This product contains the following Hazardous Substances as defined by the CWA:

- NONE

This product does not contain any substances that are a Priority Pollutant or Toxic Pollutant under the CWA.

FDA: Food Packaging Status This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food additive.

Occupational Safety and Health Act This product is considered to be a hazardous chemical under the OSHA Hazard

Communication Standard. Its hazards are:

- Immediate (acute) health hazard
- Delayed (chronic) health hazard
- Reactive hazard

RCRA This product is considered to be a hazardous waste under RCRA (40 CFR 261) RCRA Code:

- Ethyl methacrylate, CAS# 97-63-2, RCRA Code: U118
- Characteristic of Ignitability, RCRA Code: D001

SARA Title III: Section 302 (TPQ) This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ.

SARA Title III: Section 302 (RQ) This product contains chemicals regulated under Section 304 as extremely hazardous

chemicals for emergency release notification ("CERCLA" List):

- Ethyl Methacrylate CAS# 97-63-2, RQ(Lbs): 1000

SARA Title III: Section 311-312: This product is considered hazardous under the OSHA Hazard Communication Standard and

is regulated under Section 311-312 (40 CFR 370). Its hazards are:

- Immediate (acute) health hazard
- Delayed (chronic) health hazard
- Reactive hazard

SARA Title III: Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and



40 CFR Part 372:

MATERIAL SAFETY DATA SHEET INTEGRITY GEL SYSTEM: CLEAR GLAZE

- NONE

TSCA Section 8(b): Inventory:

TSCA Significant New Use Rule:

This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

None of the chemicals in this material have a SNUR under TSCA.

State Regulations

CA Right-to-Know Law:

California No Significant Risk Rule:

NONE

NONE

MA Right-to-Know Law: Ethyl Methacrylate CAS #97-63-2

NJ Right-to-Know Law: Ethyl Methacrylate CAS #97-63-2

PA Right-to-Know Law: Ethyl Methacrylate CAS #97-63-2

FL Right-to-Know Law: Ethyl Methacrylate CAS #97-63-2

MN Right-to-Know Law: NONE

International Regulations

CDSL: Canadian Inventory

(on Canadian Transitional List)

Ethyl methacrylate CAS #97-63-2 is on the DSL List. WHMIS = B2, D2B.

Tetraethylene glycol dimethacrylate, CAS# 109-17-1 is not on the DSL List. WHMIS = n/da

Hydroxycyclohexyl phenyl ketone CAS #947-19-3 is on the DSL list. WHMIS = n/da

D&C Violet #2, CAS# 81-48-1 is not on the DSL List. WHMIS = n/da

EINECS: European Inventory: **QF2:**

- HAZARD SYMBOLS: **Xi: Irritant, F: Flammable**

- RISK PHRASES: **R22: Harmful if swallowed, R36/37/38: Irritating to eyes, respiratory system, and skin, R43: May cause sensitization by skin contact.**

- SAFETY PHRASES: **S18: Handle and open container with care, S24/25: avoid contact with skin and eyes, S36/37: Wear suitable protective clothing and gloves, S38: in case of insufficient ventilation, wear suitable respiratory equipment, S46: If swallowed seek medical advice immediately and show this container or label.**

Hazard Rating System (Pictograms)

NFPA: HMIS:

2 2 1

* - Respiratory protection may be necessary depending on conditions of use. Refer to Section VIII of this MSDS for respiratory protection guidelines.

OSHA PEL for nuisance dust: 15 mg/m³ (total dust)

5 mg/m³ (respirable dust)

ACGIH PEL for nuisance dust: 10 mg/m³

Revised Sections since Last Version: Format Update, section 2 <,> changed to ranges

The information presented herein was obtained from sources considered to be reliable. However, this information is provided without any warranty,



expressed or implied, regarding its correctness or suitability for consumers intended use and/or application. For this and other reasons, we assume no responsibility and expressly disclaim liability for loss, damage or expense arising out of any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared expressly for this product. Use the materials only as directed. If the product is used as a component of another product, the information contained within the MSDS may not be applicable. If one could have any concerns with or problems understanding this MSDS form, please direct all questions to INFOTRAC, Chemical Emergency Resources System at 1(800) 535-5053.

2

1 2

Flammability

Reactivity Health

D

***D**