

Safety Data Sheet
According to Hazard Communication Standard (29 CFR 1910.1200)

Planet Nails Gel Polish

Version 1.0

Revision date: 07/09/2015

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1. Identification

Product name Planet Nails Gel Polish
Synonyms -
CAS # See section 3
Product code -
Product use Nail-painting.
Manufacturer/Supplier
Supplier(Manufacturer): PLANET NAILS DISTRIBUTION
Address: 17 4th Str, Booyens Reserve, Johannesburg, South Africa
Contact person(E-mail): sales@planetnails.co.za
Telephone: +27-11-4961369
Fax: +27-866127496
Emergency telephone Number: +27-724092892

2. Hazard(s) identification

GHS classification

Physical hazards	Not classified	
Health hazards	Skin corrosion/irritation	Category 2
	Skin sensitization	Category 1
	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity after single exposure	Category 3
	specific target organ toxicity after repeated exposure	Category 2
Environmental hazards	Not classified	

GHS label elements

Hazard Pictograms



Signal word Warning

Hazard statement Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statement

Prevention Do not breathe dust/fume/gas/mist/vapors/ spray.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Use only outdoors or in a well-ventilated area.

Response	<p>Wear protective gloves/eye protection/face protection.</p> <p>If on skin: Wash with plenty of water.</p> <p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>Call a poison center /doctor if you feel unwell.</p> <p>Get medical advice/ attention if you feel unwell.</p> <p>If skin irritation or rash occurs: Get medical advice/attention.</p> <p>If eye irritation persists: Get medical advice/attention.</p> <p>Take off contaminated clothing and wash it before reuse.</p>
Storage	<p>Store in a well-ventilated place. Keep container tightly closed.</p> <p>Store locked up.</p>
Disposal	<p>Dispose of contents/container in accordance with local regulation.</p>

3. Composition / information on ingredients

Components	CAS#	Percent
Polyurethane Acrylate Oligomer	72869-86-4	50-60%
Ethylene Glycol Methacrylate	868-77-9	5-15%
Ethylene glycol dimethacrylate	97-90-5	10-15%
Isobornyl Acrylate	5888-33-5	10-15%
Hydroxycyclohexyl phenyl ketone	947-19-3	3-5%
Benzophenone	119-61-9	3-5%
MAY CONTAIN		
Carbon black	1333-86-4	-
Titanium dioxide	13463-67-7	-
Blue	147-14-8	-
Red	84632-65-5	-
Violet	16043-40-6	-
Yellow	10294-40-3	-

4. First-aid Measures

First aid procedures

Eye contact	<p>Remove contact lenses. Wash thoroughly for several minutes using copious water.</p> <p>Seek medical help if necessary.</p>
Skin contact	<p>Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.</p>
Inhalation	<p>Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms.</p>
Ingestion	<p>Rinse the mouth thoroughly with water. Give copious water to drink - consult doctor immediately.</p>
Notes to physician	<p>Treat symptoms.</p>

5. Fire-fighting measures

Flammable properties

Not available.

Extinguishing media

Suitable extinguishing media

Adapt to the nature and extent of fire. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

Not available.

Firefighting equipment/instructions

Wear self contained breathing apparatus for fire-fighting if necessary.

Hazardous combustion products

Oxides of carbon.

6. Accidental release measures

Personal precautions

Use personal protective equipment. Avoid breathing vapors. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental precautions

If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent from entering drainage system. Inform the competent authorities when water or canalization has been infiltrated.

Methods for cleaning up

Keep in suitable, closed containers for disposal. Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13. Flush residue using copious water. Clean soiled bottles immediately.

7. Handling and storage

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

Storage

Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls / personal protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Source	Ingredient	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Carbon black	3.5 mg/m ³	Not Available	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	Carbon black	3 mg/m ³	Not Available	Not Available	TLV® Basis: Bronchitis
US NIOSH Recommended Exposure Limits (RELs)	Carbon black	3.5 mg/m ³	Not Available	Not Available	Ca See Appendix A See Appendix C
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Titanium dioxide	15 mg/m ³	Not Available	Not Available	Total dust
US ACGIH Threshold Limit Values (TLV)	Titanium dioxide	10 mg/m ³	Not Available	Not Available	TLV® Basis: LRT irr

US NIOSH Recommended Exposure Limits (RELs)	Titanium dioxide	Not Available	Not Available	Not Available	Ca See Appendix A
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Blue	0.1 mg/m ³ / 1 mg/m ³	Not Available	Not Available	(as Cu) / (as Cu);Dusts and mists
US OSHA Permissible Exposure Levels (PELs)- Table Z1	Yellow	0.005 mg/m ³	Not Available	Not Available	See 1910.1026;See Table Z-2 for the exposure limit for any operations or sectors where the exposure limit in § 1910.1026 is stayed or is otherwise not in effect.
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Yellow	1 mg/m ³	Not Available	Not Available	(as Cr)
US ACGIH Threshold Limit Values (TLV)	Yellow	0.01 mg/m ³	Not Available	Not Available	TLV® Basis: Lung cancer

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
Polyurethane Acrylate Oligomer	60mg/m ³	660 mg/m ³	4000 mg/m ³
Ethylene Glycol Methacrylate	0.71mg/m ³	7.8mg/m ³	1000 mg/m ³
Ethylene glycol dimethacrylate	9.9mg/m ³	110mg/m ³	650 mg/m ³
Benzophenone	1.5mg/m ³	33mg/m ³	310mg/m ³
Carbon black	9mg/m ³	99mg/m ³	590mg/m ³
Titanium dioxide	10mg/m ³	10mg/m ³	10mg/m ³
Yellow	0.15mg/m ³	25mg/m ³	150 mg/m ³

Ingredient	Original IDLH	Revised IDLH
Polyurethane Acrylate Oligomer	Not Available	Not Available
Ethylene Glycol Methacrylate	Not Available	Not Available
Ethylene glycol dimethacrylate	Not Available	Not Available
Isobornyl Acrylate	Not Available	Not Available
Hydroxycyclohexyl phenyl ketone	Not Available	Not Available
Benzophenone	Not Available	Not Available
Carbon black	N.E. mg/m ³ / N.E. ppm	1,750 mg/m ³
Titanium dioxide	N.E. mg/m ³ / N.E. ppm	5,000 mg/m ³
Blue	Not Available	Not Available
Red	Not Available	Not Available

Violet	Not Available	Not Available
Yellow	Not Available	Not Available

Exposure controls:

Appropriate engineering controls: Use in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

Eye / face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments). Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
General hygiene considerations	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical and chemical properties

Appearance

Physical state	Colloid
Form	Colloid
Color	Polychromatic
Odor	Slight
Odor threshold	Not available
pH	Not available
Vapor pressure	0.013 hPa(20 °C)(CAS#5888-33-5)
Melting point/Freezing point	Not available
initial boiling point and boiling range	200 °C (392 °F) - lit.(CAS#72869-86-4)
Flash point	> 100°C seta flash
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Not available
Vapor density	Not available
Density	1.11 g/ml at 25°C (77°F)
Solubility (water)	Not available
Partition coefficient	log Pow= 4.52 (CAS#5888-33-5)
Auto-ignition temperature	375 °C(CAS#5888-33-5)
Decomposition temperature	Not available

Specific gravity	Not available
Density	1.11 g/ml at 25 °C (77 °F) (CAS#72869-86-4)
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	> 7.5 < 9.5 cPs(CAS#5888-33-5)

10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Incompatible materials. Strong heat.
Incompatible materials	Avoid contact with oxidizing agents.
Hazardous decomposition products	Oxides of carbon.
Possibility of hazardous reactions	No decomposition when used as directed.

11. Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

Isobornyl Acrylate (CAS#5888-33-5)

LD50(Oral, Rat):	4350 mg/kg bw
LD50(Dermal, Rabbit):	> 3000 mg/kg bw
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	Causes skin irritation.
Serious eye damage/Irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	May cause respiratory irritation.
STOT-repeated exposure:	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not classified

12. Ecological information

Toxicity:

Isobornyl Acrylate (CAS#5888-33-5)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	0.704 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	1.98 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Isobornyl Acrylate (CAS#5888-33-5): Readily biodegradable.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.
Results of PBT&vPvB assessment: Not available.
Other adverse effects: No known significant effects or critical hazards.

13. Disposal considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.
Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Basic shipping requirements:

UN number Not regulated
Proper shipping name Not regulated
Hazard class Not regulated
Packing group Not regulated
Environmental hazards No

IATA

UN number Not regulated
UN proper shipping name Not regulated
Transport hazard class(es) Not regulated
Packing group Not regulated
Environmental hazards No

IMDG

UN number Not regulated
UN proper shipping name Not regulated
Transport hazard class(es) Not regulated
Packing group Not regulated
Environmental hazards No

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Polyurethane Acrylate Oligomer (72869-86-4) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Ethylene Glycol Methacrylate (868-77-9) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List. "US Toxic Substances Control Act (TSCA) - Premanufacture Notice (PMN) Chemicals" List.
Ethylene glycol dimethacrylate (97-90-5) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Isobornyl Acrylate (5888-33-5) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Hydroxycyclohexyl phenyl ketone (947-19-3) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Benzophenone (119-61-9) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.

following regulatory lists	
Carbon black (1333-86-4) is found on the following regulatory lists	"US - Alaska Limits for Air Contaminants" List. "US - Hawaii Air Contaminant Limits" List. "US - Idaho - Limits for Air Contaminants" List. "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants" List. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Titanium dioxide (13463-67-7) is found on the following regulatory lists	"US - Alaska Limits for Air Contaminants" List. "US - Hawaii Air Contaminant Limits" List. "US - Idaho - Limits for Air Contaminants" List. "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants" List. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Blue (147-14-8) is found on the following regulatory lists	"US - Hawaii Air Contaminant Limits" List. "US - Idaho - Limits for Air Contaminants" List. "US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values" List. "US EPCRA Section 313 Chemical List" "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Red (84632-65-5) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Violet (16043-40-6) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
Yellow (10294-40-3) is found on the following regulatory lists	"US - Alaska Limits for Air Contaminants" List. "US - California Proposition 65 - Reproductive Toxicity" List. "US - Hawaii Air Contaminant Limits" List. "US - Idaho - Limits for Air Contaminants" List. "US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values" List. "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants" List. "US ATSDR Minimal Risk Levels for Hazardous Substances (MRLs)" List. "US EPCRA Section 313 Chemical List" "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.

16. Other information, including date of preparation or last revision

HMIS® ratings

Health: 2
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

Issue date

07-09-2015