

SHIELD-TEK Artistic 2000; 2200; 2500

SDS Number: N-305

Revision Date: 11/21/16

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

NIKE-TECH, INC.
9901 FM 1807
ALVARADO, TX 76009

Emergency: CHEMTREC (800)424-9300 / 725168
Contact: Jim Hughes
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Product Name: SHIELD-TEK Artistic 2000; 2200; 2500
Revision Date: 11/21/16
SDS Number: N-305
Product Code: 32-10200 (2000) Gloss; 32-10220 (2200) Satin; 32-10250 (2500) Matte
Product Use: Liquid Laminate for print protection

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 2 B
Physical, Flammable Liquids, 4
Health, Acute toxicity, 5 Dermal
Health, Acute toxicity, 5 Oral

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

no GHS pictograms indicated for this product

GHS Hazard Statements:

H320 - Causes eye irritation
H227 - Combustible liquid
H313 - May be harmful in contact with skin
H303 - May be harmful if swallowed

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 - Keep container tightly closed.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.

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P264 - Wash _ thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 - IF ON SKIN: Wash with soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment (see _ on this label).
P322 - Specific measures (see _ on this label).
P330 - Rinse mouth.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337+313 - Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P370+378 - In case of fire: Use _ for extinction.
P381 - Eliminate all ignition sources if safe to do so.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P403+235 - Store in a well ventilated place. Keep cool.
P405 - Store locked up.
P412 - Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/container to _
CGA-MP01 - IF ACCIDENTLY INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

Hazards not otherwise classified (HNOC) or not covered by GHS

Route of Entry: Absorption, Inhalation, and Ingestion

Target Organs: HEALTH HAZARDS (ACUTE AND CHRONIC):
ACUTE: Shortness of breath, burning sensation or respiratory passages, nausea, headache.
CHRONIC: Narcosis, kidney and liver dysfunction with possible central nervous system effects.

Inhalation: INHALATION HEALTH RISKS AND SYMTOMS OF EXPOSURE:
Dizziness, headache, nausea, shortness of breath, slolvent taste in mouth, narcosis, euphoria, or unconsciousness.

Skin Contact: SKIN ABSORPTION HEALTH RISKS AND SYSMPTIOMS OF EXPOSURE:
Prolonged or repeated unprotected skin contact may cause defatting, drying of the skin, or dermatitis.

Eye Contact: EYE CONTACT HEALTH RISK AND SYMTOMS OF EXPOSURE:
Buring sensation with reddening of the eyes. Irritation, rash around the eyes or burining sensation of the eyes.

Ingestion: INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
Gastrointestinal distress with symptoms of systemic poisoning.

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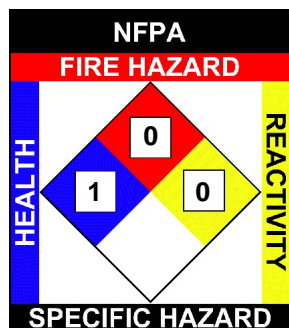
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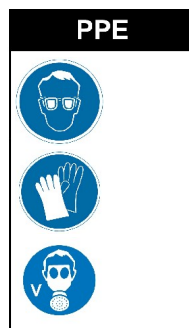
NFPA: Health = 1, Fire = 0, Reactivity = 0, Specific Hazard = n/a

HMIS III: Health = 1(Chronic), Fire = 0, Physical Hazard = 0

HMIS PPE: G - Safety Glasses, Gloves, Vapor Respirator



HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G



3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

COMPOSITION/INFORMATION ON INGREDIENTS:

Cas#	%	Chemical Name
25265-77-4	<.02%	Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol

25265-77-4 <.02% Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol

4 FIRST AID MEASURES

- Inhalation:** Ensure supply of fresh air.
In the event of symptoms seek medical advice.
- Skin Contact:** In case of contact with skin wash off with soap and water.
In the event of symptoms seek medical advice.
- Eye Contact:** In case of contact with eyes rinse thoroughly with water.
In the event of symptoms seek medical advice.
- Ingestion:** Thoroughly clean the mouth with water.
In the event of symptoms seek medical advice.

5 FIRE FIGHTING MEASURES

- Flammability:** Not Considered Flammable. Contains small amount of co-solvent. Take precautions when in confined space where co-solvent vapors become concentrated
- Flash Point:** >93 Deg .C (>200 Deg. F)
- Flash Point Method:** ASTM 93-73
- LEL:** 1.3
- UEL:** 9.5

Suitable extinguishing media: Foam, carbon dioxide, dry powder, water spray. Firefighters should wear self-contained breathing apparatus. Pressure may build up in closed container that are exposed to heat and fire. Solvent vapors are heavier than Air and may travel a considerable distance along the ground level to a ignition source and flash black.

6 ACCIDENTAL RELEASE MEASURES

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- 6.1 Personal precautions, protective equipment and emergency procedures;
Use personal protective equipment.
- 6.2 Environmental precautions:
Do Not Allow to enter drains or waterways
Do not discharge into the soil/ground.
- 6.3 Methods and material for containment and cleaning up
Take up with absorbent material (eg. sand, universal binder)
Dispose of absorbed material in accordance with the regulations, State and Federal

7 HANDLING AND STORAGE

Handling Precautions: 7.1 Safe Handling

Advice on safe handling:

No special measure necessary if stored and handled as prescribed
Wear respiratory protection when spraying.

Hygiene measures:

Do not eat, drink or smoke when working.
Wash hands before breaks and after work.
Remove soiled or soaked clothing immediately.

General protective measures:

Avoid contact with eyes and skin
Do not inhale gases/vapors/aerosols.

Storage Requirements: 7.2 Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion:

Information - No special measures required.

Storage:

Information - Use plastic containers
Requirements - Keep container tightly closed
Do not store below <5 C (41 F)
PROTECT FROM FREEZING
Do not keep at temperature above 35 C (95 F)

For Industrial Use Only !

KEEP OUT OF THE REACH OF CHILDREN

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: 8.1 Control parameters

Use only in well-ventilated areas. Apply technical measure to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Personal Protective Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol

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Equipment: (25265-77-4) [<.02%]

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 gloves 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.

Body Protection: 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: Respiratory protection not required. 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).

Control of environmental exposure: Do not let product enter drains.

Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol (25265-77-4) [<.02%] : no data available

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Milky Liquid, Opaque	Odor:	Amine, organic odor
Physical State:	Liquid	Molecular Formula:	N/A
Odor Threshold:	Not measured	Solubility:	Negligible
Spec Grav./Density:	1.01	Percent Volatile:	65% Gloss / 62% Satin / 60% Ma
Viscosity:	19 CPS	Flash Point:	>200 Deg F
Boiling Point:	180 - 396 Deg F	VOC:	VOC compliant
pH:	7 - 9 (25 C)		

10 STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Keep away from excessive heat or open flame. Store below maximum storage temperature.
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition:	BY FIRE: Normal products of incomplete combustion.
Hazardous Polymerization:	hazardous Ploymerization will not occur.

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11 TOXICOLOGICAL INFORMATION

Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol (25265-77-4) [$<.02\%$]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - male - 6,500 mg/kg

Inhalation: no data available

LD50 Dermal - rabbit - male - 15,200 mg/kg

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitisation: Maximisation Test - guinea pig Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity: in vitro assay *S. typhimurium* Result: negative

mouse - male and female

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: UF6000000

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

12 ECOLOGICAL INFORMATION

Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol (25265-77-4) [$<.02\%$]

Information on ecological effects

Toxicity:

Toxicity to fish static test LC50 - *Pimephales promelas* (fathead minnow) - 33 mg/l - 96 h.
(OECD Test Guideline 203)

Toxicity to daphnia and static test EC50 - *Daphnia magna* (Water flea) - 147.8 mg/l - 48 h.
other aquatic (OECD Test Guideline 202) invertebrates

Toxicity to algae static test EC50 - *Selenastrum capricornutum* (green algae) - 18.4 mg/l - 72 h.

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(OECD Test Guideline 201)

Persistence and degradability: Biodegradability aerobic - Exposure time 28 d Result: > 98 % - Readily biodegradable. (OECD Test Guideline 301B)

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol (25265-77-4) [<.02%]

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

Land Transport: USDOT: Non Regulated

Sea Transport: IMDG: Non Regulated

Air Transport: IATA/ICAO: Non Regulated

CHEMTREC (800) 424-9300 CCN-725168

PROTECT FROM FREEZING

15 REGULATORY INFORMATION

16 OTHER INFORMATION

DISCLAIMER:

The user's attention is drawn to the risks brought upon by the misuse of the product. This Safety Data Sheet does not exempt the user from knowing and applying the regulations corresponding to his/her activity. It is his/her own responsibility to take the precautions according to the use of this product.

FOR INDUSTRIAL USE ONLY.

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KEEP THIS and all chemicals OUT OF THE REACH OF CHILDREN !

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