



Safety Data Sheet

1. Identification

Product Information	22000-2
Product Name:	TuffCoat UT-220 Safety Orange (UT200 SERIES)
Recommended Use	Surface Preparation or Protection
Uses advised against	Read label instructions and SDS
Supplier	Modern Recreational Technologies, Inc. 7625 Thorndike Rd Greensboro, NC 27409 800-728-8258
Emergency telephone number	Chemtrec: +1-800-424-9300 USA Chemtrec: +1 703-527-3887 ex-USA 24 hrs./day, 7 days/week

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200

Carc. 1B, Skin Sens. 1

GHS Pictograms



Signal Word

Danger

Unknown Acute Toxicity

1.6% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

May cause an allergic skin reaction.

May cause cancer.

Precautionary Statements - Prevention.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Contaminated work clothing should not be allowed out of the workplace.

Wear eye protection/ face protection.

Precautionary Statements - Response.

IF ON SKIN: Wash with plenty of soap and water.

IF exposed or concerned: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Precautionary Statements - Storage.

Store locked up.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>
aliphatic petroleum distillates	64742-52-5	2.5-10
diethylene glycol monoethyl ether	111-90-0	2.5-10
titanium dioxide	13463-67-7	1.0-2.5
pigment orange 5	3468-63-1	1.0-2.5
hydrotreated light naphthenic petroleum distillate	64742-53-6	0.1-1.0
Tetramethylthiuram Disulfide	137-26-8	0.1-1.0

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid Measures

Description of first-aid measures

General advice

Move victim to a safe isolated area. When symptoms persist or in all cases of doubt seek medical advice.
Call a poison control center or doctor for treatment advice.

Inhalation

Move to fresh air. Apply artificial respiration if victim is not breathing. Call a poison control center or doctor for treatment advice.

Skin contact

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Call a poison control center or doctor for treatment advice.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a poison control center or doctor for treatment advice.

Ingestion

DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. If swallowed, call a poison control center or doctor immediately.

Symptoms

No Information

Notes to physician

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing media

No Information

Extinguishing media which shall not be used for safety reasons

Water may be unsuitable for extinguishing fires.

Special hazards arising from the substance or mixture

No information available.

Advice for firefighters

Evacuate personnel to safe areas.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

No Information

Advice for emergency responders

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. All equipment used when handling the product must be grounded. Wear protective gloves/clothing and eye/face protection. Do not breathe vapors or spray mist. Avoid exceeding of the given occupational exposure limits (see section 8). Thoroughly decontaminate all protective equipment after use. . Refer to protective measures listed in sections 7 and 8. Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

Methods and materials for containment and cleaning up

Methods for Containment

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Ground and bond containers when transferring material. Take precautionary measures against static discharges. Use personal protective equipment.

Methods for cleaning up

Never return spills in original containers for re-use. Prevent further leakage or spillage if safe to do so. All equipment used when handling the product must be grounded. Ventilate the area. Use personal protective equipment as required. Clean contaminated objects and areas thoroughly while observing environmental regulations.

Reference to other sections

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities

Advice on safe handling

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges. Do not breathe vapors or spray mist. Use according to package label instructions. Ground and bond containers when transferring material. All equipment used when handling the product must be grounded.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice for diagnostics. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Storage Conditions

Keep container closed when not in use. Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in accordance with local regulations. Keep from freezing. Keep away from food, drink and animal feedingstuffs.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Contains no substances with occupational exposure limit values.				

Contains no substances with occupational exposure limit values.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.

Personal protective equipment

Eye/Face Protection

If splashes are likely to occur, wear: Safety glasses with side-shields. Tightly fitting safety goggles.

Skin and body protection

Use: Gloves must be inspected prior to use. Wear impervious gloves and/or clothing if needed to prevent contact with the material. Protective shoes or boots. Remove and wash contaminated clothing before re-use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. If exposure limits are exceeded or irritation is experienced, respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	No Information
Appearance	No Information
Color	No Information
Odor	No Information
Odor Threshold	No Information
pH	8.3
Melting/freezing point, °C (°F)	No Information
Flash Point, °C (°F)	96 (204.80)
Boiling point/boiling range, °C (°F)	>100 (>212)
Evaporation rate	Faster than Diethyl Ether
Explosive properties	No Information
Vapor pressure	Not determined
Vapor density	No Information
Specific Gravity (g/cm ³)	1.043
Water solubility	No Information
Partition coefficient	Not Determined
Autoignition temperature, °C	No Information
Decomposition Temperature °C	No Information
Viscosity, kinematic	> 22mm ² /s

Other information

Volatile organic compounds (VOC) content	94 g/L
Density, lb/gal	8.708

10. Stability and Reactivity

Reactivity

Stable under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None known based on information supplied.

Conditions to Avoid

None known.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Product Information

No Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	55,125.3 mg/kg
ATEmix (dermal)	121,359.3 mg/kg
ATEmix (inhalation - vapor)	60.82 mg/l

Component Information

CAS-No.	Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
64742-52-5	aliphatic petroleum distillates	>5000 mg/kg Rat	>5000 mg/kg Rat	>5 mg/l (Dust)
111-90-0	diethylene glycol monoethyl ether	1920 mg/kg Rat	9143 mg/kg Rabbit	>5 mg/l (Dust)
13463-67-7	titanium dioxide	>10000 mg/kg Rat	>10000 mg/kg Rabbit	>5 mg/l (Dust)
3468-63-1	pigment orange 5	N.I.	>2000 mg/kg Rat	>5 mg/l (Dust)
64742-53-6	hydrotreated light naphthenic petroleum distillate	5620 mg/kg Rat	>180000 mg/kg Rabbit	N.I.
137-26-8	Tetramethylthiuram Disulfide	1080 mg/kg Rat	>7940 mg/kg Rabbit	.5 mg/L Rat (Dust)

N.I. = No Information

Skin corrosion/irritation.

No Information

Eye damage/irritation.

No Information

Respiratory or skin sensitization

No Information

Ingestion.

No Information

Germ cell mutagenicity.

No Information

Carcinogenicity.

This product contains Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure).

No Information

Specific target organ systemic toxicity (repeated exposure).

No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry

No Information

12. Ecological Information

Toxicity

3.32% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
aliphatic petroleum distillates 64742-52-5	-	LC50 96 h Oncorhynchus mykiss >5000 mg/L	EC50 48 h Daphnia magna >1000 mg/L

Persistence and degradability

No data are available on the product itself.

Bioaccumulative potential

Discharge into the environment must be avoided.

Mobility in soil

No information

Other adverse effects

No information

13. Disposal Considerations**Waste Disposal Guidance**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information**DOT****Shipping Name:** NON REGULATED**Additional Information:** Not regulated. A liquid with a flashpoint above 200° F (93° C) is not regulated as a hazardous material.**IMDG**

No Information

Additional Information: Not regulated**IATA**

No Information

Additional Information: Not regulated**15. Regulatory Information****International Inventories:**

TSCA Complies

DSL -

DSL/NDSL Complies

EINECS/ELINCS -

ENCS -

IECSC -

KECI -

PICCS -

AIIC -

NZIoC -

TCSI

TSCA United States Toxic Substances Control Act Section 8(b) Inventory

DSL Canadian Domestic Substances List

DSL/NDSL Canadian Domestic Substances List/Canadian Non-Domestic Substances List

EINECS/ELINCS European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS Japan Existing and New Chemical Substances

IECSC China Inventory of Existing Chemical Substances

KECL Korean Existing and Evaluated Chemical Substances

PICCS Philippines Inventory of Chemicals and Chemical Substances

AIIC Australian Inventory of Chemical Substances

NZIoC New Zealand Inventory of Chemicals

TCSI Taiwan Chemical Substance Inventory

U.S. Federal Regulations:**SARA SECTION 313:**

No Information

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight Percent</u>
diethylene glycol monoethyl ether	111-90-0	2.5-10

TOXIC SUBSTANCES CONTROL ACT 12(b):

No Information

<u>Chemical Name</u>	<u>CAS-No.</u>
2-ethoxyethanol	110-80-5
octamethylcyclotetrasiloxane	556-67-2

ADDITIONAL INFORMATION

Additional Information - Sxn 15: No Information

CALIFORNIA PROPOSITION 65 CARCINOGENS**WARNING**

No Information

<u>Chemical Name</u>	<u>CAS-No.</u>
titanium dioxide	13463-67-7
pigment orange 5	3468-63-1
1,4-dioxane	123-91-1
ethylene oxide	75-21-8
styrene	100-42-5
formaldehyde	50-00-0
acetaldehyde	75-07-0
propylene oxide	75-56-9
methyl isobutyl ketone	108-10-1

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**WARNING**

No Information

<u>Chemical Name</u>	<u>CAS-No.</u>
ethylene glycol	107-21-1
2-ethoxyethanol	110-80-5
ethylene oxide	75-21-8
methyl chloride	74-87-3
methanol	67-56-1
methyl isobutyl ketone	108-10-1

16. Other Information

Revision Date:	11/18/2025	Supersedes Date:	New SDS
Reason for revision:	No Information		
Datasheet produced by:	Regulatory Department		

HMIS Ratings:

Health:	1	Flammability:	1	Physical Hazard:	0	Personal Protection:	X
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NFPA Ratings:

Health:	1	Flammability:	1	Instability:	0	Physical & Chemical:	---
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal a
The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.