

SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Transshield Product Use: Multi-Surface Protective Coating Manufactured for: Visual Pollution Technology P.O. Box 12833 Scottsdale, AZ 85267-2833	Product Identification # (PIF): 00344 Emergency Telephone #: 1-800-255-3924 ChemTel General Information #: 480-657-9183 Date Prepared: April 30, 2005 Date Revised: January 24, 2017 – version #2
--	---

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: DANGER

Hazard Statement	Category	Code	Hazard Class
Combustible liquid	4	H227	Flammable Liquid
May be fatal if swallowed and enters airways	1	H304	Aspiration Hazard
Causes skin irritation	2	H315	Skin Irritation
Causes eye irritation	2B	H320	Eye Irritation
May cause drowsiness or dizziness	3	H336	STOT, Single Exposure; Narcotic effects
Toxic to aquatic life with long-lasting effects	2	H411	Hazardous to the Aquatic Environment, Long-term

Precautionary Measures:

Category	Code	Statement
Prevention	P210 P261 P264 P271 P273 P280	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Avoid breathing fumes/mists/ vapors/sprays. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352 P321 P332+P313 P362 P304+P340 P312 P305+P351+P338 P337+P313 P301+P310 P331 P370+P378 P391	IF ON SKIN: Wash with soap and water. Specific treatments: See Section 4 First Aid Measures. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention/advice. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. In case of fire: Use dry chemical, foam, carbon dioxide fire extinguishers, water spray for extinction. Collect spillage.
Storage	P403+P233+P235 P405	Store in a well-ventilated place. Keep container tightly closed. Keep Cool. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Repeated exposure may cause drying and flaking of the skin (dermatitis). Ingesting may cause irritation to entire gastrointestinal tract, nausea, vomiting and diarrhea. May produce hydrogen gas when exposed to water, alcohols, acids, bases and many metals. May produce hydrogen gas when exposed to water, alcohols, acids, bases and many metals.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Max. %
Distillates (petroleum), hydrotreated light	None known	64742-47-8	45 – 49
Solvent naphtha (petroleum), medium aliphatic	None known	64742-88-7	45 – 49

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. If irritation persists, seek medical attention.

Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: Immediately call a POISON CENTER or doctor/physician. DO NOT INDUCE VOMITING – aspiration hazard. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point: 145°F (63°C)

NFPA 30 Flammability: Class IIIA Combustible Liquid

Extinguishing Media: Dry chemical, foam, carbon dioxide fire extinguishers, water spray. Do not spray water directly on fire. Use water spray to cool containers.

Specific hazards arising from chemical: Vapors are heavier than air and may travel along the ground to an ignition source. Readily ignited by static discharge. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. May produce hydrogen gas when exposed to water, alcohols, acids, bases and many metals.

Hazardous combustion products: Oxides of carbon, silicone cyclic, formaldehyde.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is a class IIIA combustible.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Keep away from heat/sparks/open flames/hot surfaces – No smoking. Ventilate area. Avoid breathing fumes/mists/ vapors/sprays. Wash thoroughly after handling.

For Small Spills: Avoid release to the environment – collect spillage. Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Vapor-suppressing foam may be used to reduce vapors. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste with non-sparking tools. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use only outdoors or in a well-ventilated area. Avoid breathing fumes/mists/ vapors/sprays. Do not handle around sources of ignition. Follow US NFPA 30 on safe handling of flammable and combustible liquids. Use proper bonding and grounding during product transfer as described in document NFPA 77. Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not mix with other chemicals unless label instructs otherwise. Avoid release to the environment – collect spillage. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight – Keep cool. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Store in a cool, dry, well-ventilated area. Protect from physical damage. Store away from strong oxidizing agents, strong acids and strong alkalis.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Distillates (petroleum), hydrotreated light	64742-47-8	500ppm	200ppm	Not established
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	500ppm	200ppm	Not established

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant gloves. Normal materials handling clothing. Boots.

Respirator: Use NIOSH approved protection if PEL is exceeded or if vapors/sprays are causing irritation.

Other: Use only in a well-ventilated area. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Hydrocarbon	Vapor pressure	>0.1mmHg @ 20C
Odor threshold	Not determined	Vapor density (Air = 1)	>1
pH	Not applicable	Specific gravity (water = 1.0)	0.800 g/ml
Melting point	Not determined	Solubility	Insoluble in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	145°F (63°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Class IIIA Combustible	VOC by weight	94%

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions. May produce hydrogen gas when exposed to water, alcohols, acids, bases and many metals.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Substances to avoid: Avoid strong oxidizing agents, strong acids and strong alkalis.

Hazardous combustion products: Oxides of carbon, silicone cyclic, formaldehyde.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >5000mg/kg
Dermal (LD50 Rabbit): >2000mg/kg
Inhalation (LC50 Rat): >5.28 mg/l

Skin corrosion/irritation: Skin irritant. Symptoms may include reddening and itching. Repeated exposure may cause drying and flaking of the skin (dermatitis).

Serious eye damage/irritation: Eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Test Type: Mammalian cell gene mutation assay. Test species: Mouse lymphoma cells. Metabolic activation: with and without metabolic activation. Result: negative. GLP: yes.

Test Type: Ames test. Metabolic activation: with and without metabolic activation. Result: negative. GLP: No data available.

Test Type: Sister chromatid exchange assay in mammalian cells. Test species: Chinese hamster ovary (CHO). Metabolic activation: with and without metabolic activation. Result: negative. GLP: yes

Carcinogenicity: NTP/IARC/OSHA Carcinogen: No

Reproductive toxicity: Test Type: Fertility Species: rat, male and female Application Route: Oral Dose: 0, 375, 750, 1500 mg/kg/d
General Toxicity - Parent: NOAEL: 750 mg/kg body weight General Toxicity F1: NOAEL: 750 mg/kg body weight Fertility: NOAEL: >= 1,500 mg/kg body weight Symptoms: Reduced maternal body weight gain. Reduced offspring weight gain. Result: No reproductive effects.

STOT-single exposure: May cause dizziness or drowsiness.

STOT-repeated exposure: Not classified.

Aspiration hazard: May be fatal if swallowed and enters airways.

Ingestion: Ingesting may cause irritation to entire gastrointestinal tract, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways.

Likely routes of exposure: Eyes, skin and inhalation

Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LL-50 (fish): 25 mg/l
48h EL-50 (invertebrates): 1.4 mg/l
72h EL-50 (algae): 1-3 mg/l

Persistence and degradability: Expected to be readily biodegradable.

Bioaccumulative potential: No data available.

Mobility in soil: Adsorbs on soil. This product floats on water. This product is volatile and may spread in the atmosphere.

Other adverse effects: Toxic to aquatic life with long-lasting effects – Avoid release to the environment. Collect spillage.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Toxic to aquatic life with long-lasting effects – Avoid release to the environment. Collect spillage.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.

RCRA: Not applicable.

SECTION 14. TRANSPORT INFORMATION

United States DOT:

Container of 119 gallons or less:

Combustible Liquid (49 CFR 173.120 (b)): This material is not regulated under 49 CFR if in a container of 119-gallon capacity or less for ground transportation. Exception CFR 173.150(f)(2): Combustible liquids.

Container of 120 gallons or more:

UN/ID No.: NA1993
Proper Shipping Name: Combustible liquid, n.o.s., (Distillates (petroleum), hydrotreated light)
Hazard Class: Comb liq
Packing Group: III

IMDG or IATA:

Not regulated per 49CFR 171.11(d)(3): Flash point above 140°F (60°C)
Marine Pollutant (IMDG Code): No
GHS Toxic to aquatic life with long-lasting effects.
Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered for bulk export.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Table with 4 columns: Immediate (Acute) Health, Delayed (Chronic) Health, Fire Hazard, Reactive Hazard. Values: Yes, No, Yes, No.

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: CAS# 64742-47-8 and CAS #64742-88-7- New Jersey & Pennsylvania.

Proposition 65: This material contains trace amounts of the following ingredients for which the state of California has found to cause cancer, birth defects or other reproductive harm: Ethylbenzene #100-41-4, Naphthalene #91-20-3 and Toluene #108-88-3.
RCRA: Not applicable.

SECTION 16. OTHER INFORMATION

Date prepared: January 24, 2017, vs. #2 – SDS updated to meet revision #5 GHS requirements.
HMIS Ratings: Health 2, Fire 2, Reactivity 0 (scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.
Carefully read all instructions on label before handling this product.
Keep out of reach of children.
“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.
SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED, REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS, CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.