




NFPA	WHMIS	PPE	Transport Symbol
			Not regulated, non- bulk

Preparation Date 08-Dec-2006

Revision Date 30-Sep-2011

Revision Number 6

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Ultra-Shield AG (Vapor Permeable)
Product Code 1731
UN-No
Contact Manufacturer
 GMX, Inc.
 3800 East 91st Street
 Cleveland, OH 44105
 Ph: (216) 641-7502 Fax: (216) 641-0633

Emergency Telephone Number 1-800-762-8225 (24 Hrs.)

2. HAZARDS IDENTIFICATION

Emergency Overview

Irritant

Appearance Black.

Physical State Liquid.

Odor Slight. Odor.

Mexico - Grade Slight risk, Grade 1

Potential Health Effects

Principle Routes of Exposure Skin contact, Eye contact, Inhalation, Ingestion.

Acute Effects

Eyes

Avoid contact with eyes. Moderately irritating to the eyes. May cause corneal damage..

Skin

Avoid contact with skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact.

Inhalation

May cause irritation of respiratory tract.

Ingestion

Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

Prolonged exposure may cause chronic effects. Repeated contact may cause allergic reactions in very susceptible persons.

See Section 11 for additional Toxicological information.

Main Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Aggravated Medical Conditions Skin disorders.

Interactions with Other Chemicals Not available

Potential Environmental Effects See Section 12 for additional Ecological information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Chemical Name	CAS-No	Weight %	North American Hazard Indicator
Petroleum Asphalt	8052-42-4	60 - 100	1
Stoddard solvent	8052-41-3	0.1 - 1	1

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. If symptoms persist, call a physician.

Ingestion Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Carbon dioxide (CO₂). Foam. Dry powder. Dry chemical.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Hazardous Combustion Products Carbon monoxide, Carbon dioxide (CO₂), Hydrocarbons.

Explosion Data

Sensitivity to mechanical impact	No
Sensitivity to static discharge	No

Specific Hazards Arising from the Chemical

No information available.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA**Health 1****Flammability 0****Instability 0**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate personnel to safe areas.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Keep out of waterways.
Methods for Containment	Dike with inert absorbent material
Methods for Cleaning Up	Take precautionary measures against static discharges. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Keep in suitable and closed containers for disposal.
Other Information	Not applicable

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Ensure adequate ventilation.
Storage	Keep container tightly closed. Keep in properly labeled containers. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico
Petroleum Asphalt	TWA: 0.5 mg/m ³		TWA: 0.5 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³
Stoddard solvent	TWA: 100 ppm	TWA: 2900 mg/m ³ TWA: 500 ppm	TWA: 525 mg/m ³	STEL: 200 ppm STEL: 1050 mg/m ³ TWA: 523 mg/m ³ TWA: 100 ppm

Chemical Name	NIOSH IDLH
Stoddard solvent	20000 mg/m ³

Engineering Measures Do not allow ventilation equipment to draw material odors indoors..

Personal Protective Equipment

Eye/face Protection	Safety glasses with side-shields
Skin Protection	Impervious gloves. Long sleeved clothing.
Respiratory Protection	No special protective equipment required.

Hygiene Measures

Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black
Odor	Slight Odor

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	
pH	pH	
Flash Point	> 400°F / > 204°C	
Autoignition Temperature	> 400°F / > 204°C	
Boiling Point/Range	212°F / 100°C	
Freezing Point	32 °F / 0 °C	
Flammability Limits in Air	Lower Not available	Upper Not available
Explosive Properties	Not available	
Oxidizing Properties	Not available	
Evaporation Rate	Not available	
Vapor Pressure	Not available	
Vapor Density	>1.0 @ Air = 1	
Specific Gravity	>1.0	
Solubility	partly miscible	
Water Solubility	Insoluble	
Volatiles	Not available	
VOC Content	5 g/L	

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	No information available.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO ₂). Hydrocarbons.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	90 mL/kg Rat		
Petroleum Asphalt	5000 mg/kg Rat	2000 mg/kg Rabbit	
Isoparaffinic solvent	5000 mg/kg Rat	2000 mg/kg Rabbit	5.2 mg/L Rat 4 h

Chronic Toxicity

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Isoparaffinic solvent**Water Flea Data***Den-dronereides heteropoda* LC50=4720 mg/L (96 h)

Persistence/Degradability	Not available
Bioaccumulation/ Accumulation	Not available
Mobility in Environmental Media	Not available

Petroleum Asphalt**log Pow = 6**

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of in accordance with local, state, and federal regulations
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal
US EPA Waste Number	Not available

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated, non-bulk
Hazard Class	
Subsidiary Class	
UN-No	
Packing Group	
Reportable Quantity (RQ)	
Special Provisions	Not Regulated for non-bulk packaging of 450 liters (119 gallons) or less (DOT 49 CFR 173.150(f))
<u>TDG</u>	Not regulated
Hazard Class	
Subsidiary Class	
UN-No	
Packing Group	
<u>MEX</u>	Not regulated
Hazard Class	
Subsidiary Class	
UN-No	
Packing Group	
<u>ICAO</u>	Not regulated
UN-No	
Hazard Class	
Subsidiary Class	
Packing Group	

14. TRANSPORT INFORMATION

IATA Not regulated

UN-No
Hazard Class
Subsidiary Class
Packing Group
ERG Code

IMDG/IMO Not regulated

Hazard Class
Subsidiary Class
UN-No
Packing Group
EmS No.

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Water	X	X	-	X	-	-	X	X	X	X
Petroleum Asphalt	X	X	-	X	-	-	X	X	X	X
Isoparaffinic solvent	X	X	-	X	-	-	X	X	X	X
Stoddard solvent	X	X	-	X	-	-	X	X	X	X
Synthetic resin	-	-	-	-	-	-	-	-	-	-
Polymethoxy bicyclic oxazolidine	-	-	-	-	-	-	-	-	-	-

TSCA Complies
DSL Complies
NDSL Complies
EINECS Complies
ELINCS Complies
ENCS Complies
CHINA Complies
KECL Complies
PICCS Complies
AICS Complies

USA**Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

State Regulations

California Proposition 65

WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Petroleum Asphalt	X	X	X		X
Stoddard solvent	X	X	X		X

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials

16. OTHER INFORMATION

Preparation Date 08-Dec-2006

Revision Date 30-Sep-2011

Revision Summary Not available

Disclaimer

The information provided on this MSDS 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 and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS