Factor II Inc. encourages the end user to read this document entirely and understand all sections of this SDS sheet prior to use. There is important information regarding this product. The end user is expected to follow all precautions outlined in this SDS.

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name : Platinum Primer

Product Code : A-304

Intended Use(s) : For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

Factor II, Incorporated
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928- 368-7502

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture
GHS-US classification

Flammable liquids Category 2	H225
Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation Category 1	H318
Specific target organ toxicity – single exposure, Category 3, Narcosis	H336
Aspiration hazard Category 1	H304
Hazardous to the aquatic environment – Chronic Hazard Category 2	H411

2.2. Label elements
GHS-US Labeling
Hazard Pictograms (GHS-US)

GHS02 GHS05 GHS07 GHS08 GHS09

Signal word (GHS-US) :	Danger
Hazard statements (GHS-US) :	H225 - Highly fl Hazard pictograms (GHS-US) : H304 - May be fatal if swallowed and enters airways H315 - Causes skin irritation H318 - Causes serious eye damage H336 – May cause drowsiness or dizziness H411 – Toxic to aquatic life with long lasting effets H402 – Harmful to aquatic life
Precautionary statements (GHSUS):	P210 - Keep away from heat, sparks, open flames, hot surfaces. – No smoking. P223 – Keep container tightly closed. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical, ventilating, and lighting equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P261 – Avoid breathing vapors, mist or spray. P264 - Wash hands, forearms, and other exposed areas thoroughly after handling. P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, eye protection, face protection, respiratory protection.
P301+P310 - If swallowed: Immediately call a poison center or doctor.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a poison center or doctor.
P321 - Specific treatment (see section 4 on this SDS).
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P391 – Collect spillage.
P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other hazards

Other hazards not contributing to The classification: Exposure may aggravate pre-existing eye, skin or respiratory conditions. Repeated or prolonged skin contact may cause dermatitis and defatting.

2.4 Unknown acute toxicity (GHS US)

5 – 10% of the mixture consists of ingredients of unknown acute toxicity.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixture

Name	Product Identifier	%	GHS-US Classification
Solvent naphtha, petroleum, light aliphatic	(CAS-No.) 64742-89-8	65-85	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304

			Aquatic Chronic 2, H411
1- Butanol, titanium(4+) salt	(CAS-No.) 5593-70-4	5-10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335
Silicic acid (H4SiO4), tetrakis(2-methoxyethl) ester	(CAS-No.) 2157-45-1	5-10	Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-Phrases : See Section 16
*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret (29 CFR 1910.1200).

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

First aid measures General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. (Show the label when possible).
First-aid measures after inhalation	When symptoms occur; go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
First-aid measures skin contact	Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. If exposed or concerned: Get medical advice/attention.
First-aid Measures After ingestion	Do NOT induce vomiting. Turn affected person(s) on their side and maintain in that position to prevent aspiration. Rinse mouth. Obtain medical attention.

4.2 Most important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries	May be fatal if swallowed and enters airways. Causes serious eye damage. Causes skin irritation. May cause drowsiness and dizziness.
Symptoms/Injuries After Inhalation	High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache and similar narcotic symptoms.
Symptoms/Injuries After Skin Contact	Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact	Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/Injuries After Ingestion	Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.
Chronic Symptoms	Repeated or prolonged skin contact may cause dermatitis and defatting.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, prolonged skin contact may cause dermatitis and defatting.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2). Water may be ineffective, but water should be used to keep fire-exposed container cool.
Unsuitable extinguishing media	Do not use heavy water stream. A heavy water stream may spread burning liquid.

5.2 Special hazards arising from the substance or mixture

Fire Hazard	Highly flammable liquid vapor. Vapors may travel to source of ignition and flash back.
Explosion Hazard	May form flammable or explosive vapor-air mixture.
Reactivity	Reacts violently with strong oxidizers. Increased risk of fire or explosion.

5.3 Advice for Fire Fighters

Precautionary measures fire:	Exercise caution when fighting any chemical fire.
Firefighting instructions:	Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products	Carbon oxides (CO, CO2). Silicon oxides. Metal oxides.
Other information:	Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures	Keep away from heat, hot surfaces sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

6.1.1 For Non-Emergency Personnel

Protective Equipment	Use appropriate personal protective equipment (PPE).
Emergency Procedures	Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2 For Emergency responders

Protective Equipment	Equip cleanup crew with proper protection.
Emergency Procedures	Eliminate ignition sources first, then ventilate the area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3 Methods and Materials for Containments and Cleaning Up

For Containment	As an immediate precautionary measure, isolate spill or leak area in all directions. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up	Clean up spills immediately and dispose of waste safely. Use only non-sparking tools. Absorb and/or contain spill with inert material. Do not take up in combustible material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See section 8 for exposer controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed	Handle empty containers with care because residual vapors are flammable. Spilled material ma present a slipping hazard.
Precautions for Safe Handling	Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapors, mist, spray. Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures	Use explosion-proof electrical, ventilation and lighting equipment. Take action to prevent static discharges. Ground and bond container and receiving equipment. Comply with applicable regulations.

Storage Conditions	Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well ventilated place. Keep container tightly closed. Keep in fireproof place.
Incompatible Materials	Strong acids, strong bases, strong oxidizers.

7.3 Specific End Use(s)
For professional use only.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters
For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

8.2 Exposure controls

Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment. Proper grounding procedures to avoid static electricity should be followed. Gas detectors should be used when flammable gases or vapors may be released. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.
Personal Protective Equipment	Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

Materials for protective clothing:	Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.
Hand protection:	Wear protective gloves.
Eye protection:	Chemical safety goggles.
Skin and body protection:	Wear suitable protective clothing.
Respiratory protection:	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Other Information	When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Appearance:	Colorless
Odor:	Solvent
Odor threshold:	No data available
pH:	No data available
Evaporation rate	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	99 °C (210°F)
Flash point:	17 °C (63°F)
Auto-ignition Temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapor pressure:	No data available
Relative vapor density at 20 °C:	No data available
Relative density:	No data available
Solubility:	No data available
Partition coefficient n-octanol/water:	No data available
Viscosity:	No data available

9.2. Other information

VOC Content	65-85%

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reacts violently with strong oxidizers. Increased risk of fire or explosion.

10.2. Chemical stability

Highly flammable liquid and vapor. May form flammable or explosive vapor-air-mixture.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Thermal decomposition may produce: Carbon oxides (CO, CO2). Silicon oxides. Metal oxides. Hydrolyzes in water to form n-butanol, titanium dioxide and methoxyethanol.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral)	Not classified.
Acute Toxicity (Dermal)	Not classified.
Acute Toxicity (inhalation)	Not classified.

1-Butanol, titanium (4+) salt (5593-70-4)	
LD50 oral rat	> 2000 mg/kg

Solvent naphtha, petroleum, light aliphatic (64742-89-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	3000 mg/kg

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity - Single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity – Repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways. Symptoms/injuries after inhalation High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.
Symptoms/injuries after skin contact	Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/injuries eye contact	Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/injuries after ingestion	Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.
Chronic symptoms	Repeated or prolonged skin contact may cause dermatitis and defatting.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology – general	Toxic to aquatic life with long lasting effects.

1-Butanol, titanium(4+) salt (5593-70-4)	
EC50 – Crustacea [1]	680 mg/l

12.2. Persistence and degradability

A-304	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

A-304	
Bioaccumulative potential	Not established.

12.4. Mobility in soil
No additional information available
12.5. Other adverse effects
Other information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product/ Packaging disposal recommendations	Dispose of contents/container in accordance with local, regional, national, and international regulations.
Additional information	Handle empty containers with care because residual vapors are flammable.
Ecology – waste materials	Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description (s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may not have been known at the time the SDS was issued.

14.1 In Accordance with DOT

Proper Shipping Name	PETROLEUM DISTILLATES, N.O.S.
Hazard Class	**3**
Identification Number	UN1268
Label Codes	3
Packing Group	II
Mariene pollutant	Marine pollutant
ERG	128

14.2 In Accordance with IMDG

Proper Shipping Name	Petroleum Distillates, N.O.S.

Hazard Class	3
Identification Number	UN1268
Packing Group	II
Label Codes	3
EmS-No. (Fire)	F-E
EmS-No. (Spillage)	S-E
Marine Pollutant	Marine pollutant

14.3 In Accordance with IATA

Proper Shipping Name	PETROLEUM DISTILLATES, N.O.S.
Packing Group	II
Identification Number	UN1268
Hazard Class	3
Label Codes	3
ERG Code (IATA)	3H

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

A-304

SARA Section 311/312 Hazard Classes	Health hazard – Specific target organ toxicity (single or repeated exposure) Health hazard – Skin corrosion or Irritaiton Physical hazard – Flammable (gases, aerosols, liquids, or solids) Health hazard – Serious eye damage or eye irritation Health hazard – Aspiration hazard

15.2 US State Regulations

Solvent naphtha, petroleum, light aliphatic (64742-89-8)
U.S. – Texas – Effects Screening Levels – Long Term U.S. – Texas – Effects Screening Levels – Short Term U.S. – California – Safer Consumer Products – Initial List of Candidate Chemicals and Chemical Groups

1-Butanol, titanium (4+) salt (5593-70-4)
U.S. Texas – Effects Screening Levels – Long Term U.S. Texas – Effects Screening Levels – Short Term

Silicic acid (H4SiO4), tetrakis(2-methoxyethyl ester (2157-45-1)
U.S. – Texas – Effects Screening Levels – Long Term
U.S. – Texas – Effects Screening Levels – Short Term

SECTION 16: OTHER INFORMATION

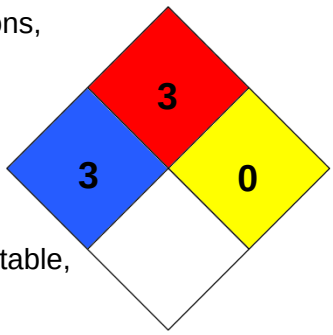
GHS Full Text Phrases:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

NFPA health hazard: 3 – Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard: 3 - Liquids and solids that can be ignited under almost all ambient temperature conditions.

NFPA reactivity: 0- Material that in themselves are normally stable, Even under fire conditions.



HMIS III Rating

Health	3 Serious Hazard
Flammability	3 Serious Hazard
Physical	0 – Minimal Hazard

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