

SAFETY DATA SHEET

2400 ESD PART A URETHANE

**C.D. PRODUCTS INC
918 N UNION ST
APPLETON, WI 54911
920-739-8685**

1.IDENTIFICATION

2400 PART A URETHANE

24 Hour Emergency: INFOTRAC: 1-800-535-5053

Outside U.S. and Canada: Infotrac: 352-323-3500

INFOTRAC Customer ID: 72826

NOTE: INFOTRAC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

Product Use:

Not recommended for:

Because many of the conditions are within the user's knowledge and control, it is essential that the user evaluate and determine whether the product is suitable and appropriate for a particular use and intended application, and complies with all local applicable laws, regulations, standards, and guidance.

2.HAZARDS IDENTIFICAION

Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation

Eye corrosive 2A

Eye Irritation: Reversible adverse effects on cornea, iris, conjunctiva, Draize score: Corneal opacity ≥ 1 , Iritis > 1 , Redness ≥ 2 , Chemosis ≥ 2

Organ toxin single exposure 3

Transient target organ effects- Narcotic effects- Respiratory tract irritation

GHS Hazards

H225Highly flammable liquid and vapour

H315Causes skin irritation
H319Causes serious eye irritation
H336May cause drowsiness or dizziness

GHS Precautions

P210Keep away from heat, sparks, open flames and hot surfaces. No smoking!

P233Keep container tightly closed

P240Ground / bond container and receiving equipment

P241Use explosion-proof electrical, ventilating, lighting equipment

P242Use only non-sparking tools

P243Take precautionary measures against static discharge

P261Avoid breathing dust/fume/gas/mist/vapours/spray

P264Wash thoroughly after handling

P271Use only outdoors or in a well-ventilated area

P280Wear protective gloves, protective clothing, eye protection, face protection

P312Call a POISON CENTER or doctor/physician if you feel unwell

P321Specific treatment (see first aid section on this label/SDS)

P362Take off contaminated clothing and wash before reuse

P302+P352IF ON SKIN: Wash with soap and water

P303+P361+P353IF ON SKIN (or hair): Remove / Take off all contaminated clothing immediately. Rinse skin thoroughly with water / shower

P304+P340IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338IF IN EYES: Rinse continuously with cool water for at least 15 minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P332+P313If skin irritation occurs: Get medical advice/attention

P337+P313If eye irritation persists get medical advice / attention

P370+P378In case of fire: Use dry chemical / CO2 / foam for extinction

P405

Store locked up

P403+P233Store in a well ventilated area. Keep container tightly closed.

P403+P235 Store in a well ventilated area. Keep cool

P501 Dispose of container contents in approved waste disposal facility

3.COMPOSITION INFORMATION ON INGREDIENTS

Chemical name cas	osha exposure limits	ACGIH exposure limits	other exposure limits
tanium dioxide 13463-67-7	20 to 30%	15 mg/m3 TWA (total dust)	10 mg/m3 TWA
Methyl n-amyl ketone 110-43-0	10 to 20%	100 ppm TWA; 465 mg/m3 TWA 50 ppm TWA	NIOSH: 100 ppm TWA; 465 mg/m3 TWA
Vapor Pressure: 3.68 mmHg			
n-Butyl acetate 3-86-4	10 to 20%	150 ppm TWA; 710 mg/m3 TWA	200 ppm STEL 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
Vapor Pressure: 9.751 mmHg			
Xylenes (o-, m-, p- isomers) 1330-20-7	5 to 10%	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA
n-Propyl acetate 109-60-4	1 to 5%	200 ppm TWA; 840 mg/m3 TWA 250 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 840 mg/m3 TWA 250 ppm STEL; 1050 mg/m3 STEL
Vapor Pressure: 25.427 mmHg			
Ethylbenzene 100-41-4	1 to 5%	100 ppm TWA; 435 mg/m3 TWA	20 ppm TWA NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL
Vapor Pressure: 7.126 mmHg			

4.FIRST AID MEASURES

Inhalation: Move affected person to fresh air. If breathing has stopped, administer CPR. If the person vomits, clean the airway and turn their head to the side to prevent choking. If the person is unconscious but breathing, place them stably on their left side in the recovery position. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Eyes: Flush eyes gently with clean water for at least 15 minutes. If irritation persists, seek immediate medical attention.

Skin: Remove any contaminated clothing using appropriate gloves. Rinse skin thoroughly for 15 minutes in a shower or with a hose. Seek immediate medical attention.

Ingestion: Rinse mouth with water to remove any residual chemical. If the person vomits, clean their airway and turn their head to the side to prevent choking. DO NOT induce vomiting and DO NOT give them anything to drink unless directed to do so by a physician. If the person is unconscious but breathing, place them stably on their left side in recovery position. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Additional Notes to Physician - Treat symptomatically. No specific antidote available

5. FIRE-FIGHTING MEASURES

LEL: N/A

UEL: N/A

Suitable Extinguishing Media:

Foam

Carbon Dioxide (CO₂)

Dry Chemical

Specific Hazards During Firefighting: Prevent firefighting run-off from entering drains or sewers.

Byproducts of Combustion: Fires involving this product may release oxides of carbon and nitrogen, reactive hydrocarbons, and irritating vapors.

Unusual Fire and Explosion Hazards: Any closed container may rupture when exposed to extreme heat. Use a water spray to cool sealed containers. Solvent vapors are heavier than air and can travel along the ground

6. ACCIDENTAL RELEASE MEASURES

Procedures:

Immediately turn off or isolate any source of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate. Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads or cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spills, once contained, may be picked up using explosion proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers. If a large spill occurs notify the appropriate authorities.

In case of road spill or accident contact INFOTRAC (1-800-535-5053).

CAUTION: If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will also be regulated.

Do not empty into drains. All disposal must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.

7. HANDLING AND STORAGE

Handling Precautions:

Open containers carefully and in a well ventilated area, and use appropriate respiratory protection. Wash hands thoroughly after handling. Keep containers closed when not in use. Do not transfer to unmarked containers. Empty containers contain product residue which may exhibit hazardous properties therefore, do not pressurize, cut, glaze, weld or use for any other purpose. Return drums to reclamation center for proper cleaning and reuse.

Storage Requirements:

Store in a cool, dry, well ventilated area. Keep containers tightly closed and store away from heat, sparks, open flame or oxidizing materials. Extended storage at excessive temperatures may produce odorous and toxic fumes from product decomposition.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Chemical name cas	osha exposure limits	ACGIH exposure limits	other exposure limits
tanium dioxide 13463-67-7	20 to 30%	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA
Methyl n-amyl ketone 110-43-0	10 to 20%	100 ppm TWA; 465 mg/m ³ TWA 50 ppm TWA	NIOSH: 100 ppm TWA; 465 mg/m ³ TWA
n-Butyl acetate 3-86-4	10 to 20%	150 ppm TWA; 710 mg/m ³ TWA	200 ppm STEL 150 ppm TWA; 710 mg/m ³ TWA NIOSH: 150 ppm TWA; 710 mg/m ³ TWA
Xylenes (o-, m-, p- isomers) 1330-20-7	5 to 10%	100 ppm TWA; 435 mg/m ³ TWA	200 ppm STEL; 950 mg/m ³ STEL
n-Propyl acetate 109-60-4	1 to 5%	200 ppm TWA; 840 mg/m ³ TWA 250 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 840 mg/m ³ TWA 250 ppm STEL; 1050 mg/m ³ STEL
Ethylbenzene 100-41-4	1 to 5%	100 ppm TWA; 435 mg/m ³ TWA 20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL

Engineering Controls: Avoid creating dust or mist. Local exhaust ventilation, process enclosures, or other engineering controls are required when handling or using this product to avoid over exposure. Use explosion-proof ventilation equipment. Do not use in closed or confined spaces. Keep all levels below exposure limits. Perform regular monitoring to ensure exposure limits are not exceeded.

Personal Protective Equipment (PPE):

Respiratory Protection - Do not breathe vapors. When concentrations exceed the established limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA) until vapors are exhausted. Observe OSHA standard 29 CFR 1910.134 and ANSI Z88.2 requirements whenever workplace conditions require a respirators use.

Hand Protection - Wear appropriate protective gloves and clothing to prevent skin exposure. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product.

Eye Protection - Use safety eyewear with splash guards or side shields. Use additional eye protection such as chemical safety goggles when the possibility for eye contact from splashing, spraying liquid, or airborne material exists.

Skin Protection - Avoid contact with this product. Wear appropriate protective gloves and clothing to prevent skin exposure. Use proper glove and clothing removal techniques to avoid skin contact with this product. When handling large quantities, eye wash stations and deluge showers should be available.

Hygiene Measures:

General - When using do not eat or drink. Wash hands with soap and water before breaks and at the end of each workday.

Contaminated Equipment - Avoid contact with contaminated clothing and protective gear/equipment. Wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstances:

Liquid Dispersion

Appearance

Organic Solvent **Odor**

Physical State liquid
Specific Gravity (SG) 1.241
Lbs VOC/Gallon Less Water 3.47
Flash point: 18c 64f
g VOC/L Less Water 415.3
Boiling range 101 C

10. STABILITY AND REACTIVITY

Product Stability (under normal conditions): STABLE

Incompatible Materials: Strong acids, strong bases, oxidizing agents

Hazardous Decomposition Products: Carbon Dioxide (CO₂), Carbon Monoxide (CO), Oxides of Nitrogen (NO_x), dense black smoke

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Inhalation Toxicity: 127.08mg/L

Note - Toxicological studies have not been performed on this mixture. The toxicological data listed is compiled using data from the components of the mixture. Refer to Section 2 of this SDS for GHS classification of acute and chronic effects of exposure.

Principle Routes of Exposure:

Inhalation Skin Contact Eye Contact Ingestion

May cause damage to the following organs:

Eyes Lungs Central Nervous System Skin Peripheral Nervous System

Respiratory System

Effects of Overexposure: Not Determined

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing) or ACGIH (optional listing):

CAS Number	Description	% Weight	IARC Carcinogen Rating
100-41-4	Ethylbenzene	1 to 5%	Possible human carcinogen NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed

13463-67-7 Titanium dioxide 20 to 30%

NIOSH: potential occupational carcinogen
IARC: Possible human carcinogen
OSHA: listed

SECTION 12: ECOLOGICAL INFORMATION

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Persistence and Degradability: No data available

Component Ecotoxicity

Methyl n-amyl ketone

96 Hr LC50 Pimephales promelas: 126 - 137 mg/L [flow-through]

n-Butyl acetate

96 Hr LC50 Lepomis macrochirus: 100 mg/L [static]

96 Hr LC50 Pimephales promelas: 17 - 19 mg/L [flow-through]

72 Hr EC50 Desmodesmus subspicatus: 674.7 mg/L

Xylenes (o-, m-, p- isomers)	96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through] 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static] 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through] 96 Hr LC50 Lepomis macrochirus: 19 mg/L 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static] 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static] 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static] 96 Hr LC50 Cyprinus carpio: >780 mg/L 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L 48 Hr LC50 Gammarus lacustris: 0.6 mg/L
n-Propyl acetate	96 Hr LC50 Pimephales promelas: 56 - 64 mg/L [flow-through] 96 Hr LC50 Pimephales promelas: 56 - 64 mg/L [static]
Ethylbenzene	96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static] 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static] 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through] 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static] 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static] 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static] 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static] 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

13. DISPOSAL CONSIDERATIONS

Do not discharge product into sewer system. Dispose of in a licensed facility. Waste management should be in full compliance with federal, state, and local laws.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Chemical additions, processing, or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate.

14. TRANSPORTATION CONSIDERATIONS

This material is classified for transport as follows:

Hazard Class	Packing Group	UN Number	Proper Shipping Name	Agency
3	II	1263	Paint	U.S. DOT

15 .REGULATORY INFORMATION

Additional regulatory listings where applicable

State of California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) WARNING! This product contains the following substance(s) which are listed by the State of California as carcinogenic, or a reproductive toxin:

100-41-4 Ethylbenzene Carcinogen
 13463-67-7 Titanium dioxide Carcinogen

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40, of the Code of Federal Regulations, part 372:

100-41-4 Ethylbenzene

1330-20-7 Xylenes (o-, m-, p- isomers)

123-86-4 n-Butyl acetate

Clean Air Act, Section 112, Hazardous Air Pollutants (HAPs) (see 40 CFR 61) This product contains the following substance(s) which are listed as hazardous air pollutants (HAPs) per the Clean Air Act:

100-41-4 Ethylbenzene

1330-20-7 Xylenes (o-, m-, p- isomers)

Massachusetts Right To Know This product contains the following toxic or hazardous substance(s) which appear on the Massachusetts Substance List:

100-41-4 Ethylbenzene

109-60-4 n-Propyl acetate

1330-20-7 Xylenes (o-, m-, p- isomers)

123-86-4 n-Butyl acetate

110-43-0 Methyl n-amyl ketone

13463-67-7 Titanium dioxide

New Jersey Worker and Community Right to Know Hazardous Substance List The following substance(s) appear on the New Jersey Right to Know Hazardous Substance List:

100-41-4 Ethylbenzene

109-60-4 n-Propyl acetate

1330-20-7 Xylenes (o-, m-, p- isomers)

123-86-4 n-Butyl acetate

110-43-0 Methyl n-amyl ketone

13463-67-7 Titanium dioxide

Commonwealth of Pennsylvania Worker and Community Right To Know Act This product contains the following substance(s) which appear on the Pennsylvania Hazardous Substance List:

100-41-4 Ethylbenzene

109-60-4 n-Propyl acetate

1330-20-7 Xylenes (o-, m-, p- isomers)

123-86-4 n-Butyl acetate

110-43-0 Methyl n-amyl ketone

13463-67-7 Titanium dioxide

TSCA Substance Control Act (TSCA) All substances except those listed below appear in the Toxic Substances Control Act, Chemical Substance Inventory:

- None

16. OTHER INFORMATION

Disclaimer: The Volatile Organic Compound (VOC) content reported herein, if any, is based on a material VOC calculation. Several methods are used for the calculation of VOC content, and the standards and requirements regarding VOC content vary by location or jurisdiction.

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