



# Safety Data Sheet

Issue Date No data available

Revision Date 27-Jan-2015

Revision Number 4

## 1. IDENTIFICATION

### Product identifier

Product Code F044-0710  
Product Name ACCELERATOR URETHANE

### Other means of identification

Common Name SERIES 44-710

### Recommended use of the chemical and restrictions on use

Recommended Use industrial paint.  
Uses advised against Consumer use, For professional use only. Not for residential use.

### Details of the supplier of the safety data sheet

Manufacturer Address  
Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372

### Emergency telephone number

Company Phone Number Tnemec Regulatory Dept: 816-474-3400  
24 Hour Emergency Phone Number 800-535-5053 (Infotrac)

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 2
Reproductive Toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 2
Flammable Liquids	Category 3

### Label elements

#### EMERGENCY OVERVIEW

#### Danger

#### Hazard statements

Harmful if swallowed  
Harmful if inhaled  
Causes severe skin burns and eye damage  
Causes serious eye irritation  
May damage fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness  
May be harmful if swallowed and enters airways  
Flammable liquid and vapor

**Appearance** Colorless**Physical state** liquid**Odor** Petroleum distillates**Precautionary Statements****Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/mixing/equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Keep cool

**Response**

Immediately call a POISON CENTER or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing 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  
 Immediately call a POISON CENTER or doctor/physician  
 Rinse mouth  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed  
 Keep away from children

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other information**

Harmful to aquatic life with long lasting effects

SEE SAFETY DATA SHEET

Acute Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight-%
-----------	--------	----------

2-HEPTANONE	-	60 - 100%
DIPROPYLENE GLYCOL	25265-71-8	10 - 30%
2,4-PENTANEDIONE	123-54-6	1 - 10%
AMINE COMPOUNDS	280-57-9	1 - 10%
DIBUTYLTIN DILAURYL MERCAPTIDE	1185-81-5	0.1 - 1%

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

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Aspiration hazard. Do not induce vomiting without medical advice.
<b>Self-protection of the first aider</b>	Use personal protective equipment. Avoid contact with eyes, skin and clothing.

##### Most important symptoms and effects, both acute and delayed

**Notes to physician** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Dry chemical. Water spray. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** No information available.

##### Specific hazards arising from the chemical

**FLAMMABLE** Thermal decomposition can lead to release of irritating gases and vapours In the event of fire and/or explosion do not breathe fumes

**Hazardous combustion products** Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Carbon dioxide (CO<sub>2</sub>). Hydrocarbons. Nitric acid. Ammonia. Nitrogen oxides (NO<sub>x</sub>). Aldehydes. Carbon monoxide.

##### Protective equipment and precautions for firefighters

Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Keep away from heat/sparks/open flames/hot surfaces. MAY CAUSE HEAT AND PRESSURE BUILD-UP IN CLOSED CONTAINERS. Solvent vapors are heavier than air and may spread along floors. Flash back possible over considerable distance.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with eyes, skin and clothing. Use personal protective equipment. Remove all sources of ignition.

**Environmental Precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up**

**Methods for containment** Remove all sources of ignition. Spills may be collected with inert, absorbent material for proper disposal. Use non-sparking tools, protective gloves, goggles and clothing, adequate ventilation, avoid the breathing of vapors and use respiratory protective devices. Transfer absorbent material to suitable containers for proper disposal.

**Methods for cleaning up** If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Close container after each use. Avoid contact with eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. When used in a mixture, read the labels and safety data sheets of all components. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**Incompatible products** Strong acids. Alkalis. Strong oxidizing agents. sodium hypochlorite. copper.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure guidelines**

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-HEPTANONE	TWA: 50 ppm	TWA: 100 ppm TWA: 465 mg/m <sup>3</sup>	800 ppm
2,4-PENTANEDIONE 123-54-6	TWA: 25 ppm Skin	-	
DIBUTYL TIN DILAURYL MERCAPTIDE 1185-81-5	TWA: 0.1 mg/m <sup>3</sup>	-	25 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering measures** Sufficient ventilation, in volume and pattern, should be provided through both local and general exhaust to keep the air contaminant concentration below current applicable OSHA Permissible Exposure Limits (PEL) and ACGIH's Threshold Limit Values (TLV). Appropriate ventilation should be employed to remove hazardous decomposition products formed during welding or flame cutting operations of surfaces coated with this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** If splashes are likely to occur, wear face-shield. Use chemical resistant splash type goggles.

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

Use only with adequate ventilation. Do not breathe vapors, spray mist, or dust. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist or dust levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Petroleum distillates
<b>Appearance</b>	Colorless	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		

Property	Values	Remarks
pH		No data available
Melting point / freezing point		No data available
Boiling point / boiling range	147 °C / 297.0 °F	
Flash point	39 °C / 102.0 °F	Pensky Martens - Closed Cup
Evaporation rate		No data available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No data available
Upper flammability limit	N/A	
Lower flammability limit	1.1%	
Vapor pressure		No data available
Vapor density		No data available
Specific gravity	0.8703	g/cm <sup>3</sup>
Water solubility	Insoluble in cold water	
Solubility in other solvents		No data available
Partition coefficient: n-octanol/water		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available

**Other Information**

<b>Density</b>	7.25829 lbs/gal
<b>Volatile organic compounds (VOC) content</b>	6.72626 lbs/gal
<b>Total volatiles weight percent</b>	92.67 %
<b>Total volatiles volume percent</b>	94.36 %

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong acids, Alkalis, Strong oxidizing agents, sodium hypochlorite, copper

**Hazardous decomposition products**

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Carbon oxides. Nitrogen oxides (NOx). Nitric acid. Aldehydes.

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

<b>Inhalation</b>	May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
<b>Eye contact</b>	Severely irritating to eyes.
<b>Skin contact</b>	Contact causes severe skin irritation and possible burns.
<b>Ingestion</b>	May be harmful if swallowed and enters airways. Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-HEPTANONE	= 1600 mg/kg ( Rat ) = 1670 mg/kg ( Rat )	= 12.6 mL/kg ( Rabbit ) = 12600 µL/kg ( Rabbit )	> 2000 ppm ( Rat ) 4 h
DIPROPYLENE GLYCOL 25265-71-8	= 13300 mg/kg ( Rat )	> 20 mL/kg ( Rabbit )	
2,4-PENTANEDIONE 123-54-6	= 55 mg/kg ( Rat )	= 810 µL/kg ( Rabbit )	= 1224 ppm ( Rat ) 4 h
AMINE COMPOUNDS 280-57-9	= 1700 mg/kg ( Rat )	= 3200 mg/kg ( Rabbit )	

**Information on toxicological effects**

**Symptoms** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Skin disorders.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Chronic Toxicity</b>	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
<b>Sensitization</b>	No information available.
<b>Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive effects</b>	May damage fertility or the unborn child.
<b>STOT - single exposure</b>	Eyes, Skin, Respiratory system, Central Nervous System (CNS), Peripheral Nervous System (PNS)
<b>STOT - repeated exposure</b>	No information available
<b>Target organ effects</b>	Central nervous system, Eyes, Peripheral Nervous System (PNS), respiratory system, Skin.
<b>Aspiration hazard</b>	May be harmful if swallowed and enters airways.
<b>Acute Toxicity</b>	0 % of the mixture consists of ingredient(s) of unknown toxicity.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life with long lasting effects

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Component	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
2-HEPTANONE		126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through	

DIPROPYLENE GLYCOL 25265-71-8		5000: 24 h Carassius auratus mg/L LC50 static	
2,4-PENTANEDIONE 123-54-6		64.1 - 80.1: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 50.3 - 71.8: 96 h Lepomis macrochirus mg/L LC50 flow-through 98.3 - 110: 96 h Pimephales promelas mg/L LC50 flow-through	34.4: 48 h Daphnia magna mg/L EC50
AMINE COMPOUNDS 280-57-9		1510 - 1980: 96 h Pimephales promelas mg/L LC50 flow-through	

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in Environmental Media**

Component	log Pow
2-HEPTANONE	1.98
2,4-PENTANEDIONE 123-54-6	0.34

**Other Adverse Effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal Methods**

Keep container tightly closed. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Component	CAWAST
DIBUTYLTIN DILAURYL MERCAPTIDE 1185-81-5	Toxic

**14. TRANSPORT INFORMATION****DOT**

**Proper Shipping Name** Paint related material

**IATA**

**UN/ID no.** 1263  
**Proper Shipping Name** Paint related material  
**Hazard Class** 3  
**Packing Group** III  
**ERG Code** 366

**Additional information**

Call TNE MEC Traffic Department - 816-474-3400 for additional information or other modes of Transportation.

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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

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

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU 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

AICS - Australian Inventory of Chemical Substances

**United States of America****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.

**SARA 311/312 Hazardous****Categorization**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CERCLA****United States of America****California Prop. 65**

This product does not contain any Proposition 65 chemicals

**California SCAQMD Rule 443**

Contains Photochemically Reactive Solvent

**State Right-to-Know**

Component	New Jersey	Massachusetts	Pennsylvania
2-HEPTANONE	X	X	X
DIPROPYLENE GLYCOL 25265-71-8			X
2,4-PENTANEDIONE 123-54-6	X	X	X

**16. OTHER INFORMATION**

**NFPA**                      Health 2                      Flammability 2                      Instability 1                      Physical hazard \*



**HMIS (Hazardous  
Material Information  
System)**

Health 2\*

Flammability 2

Reactivity 1

**Prepared By**

Tnemec Regulatory Dept: 816-474-3400

**Revision Date**

27-Jan-2015

**Revision Summary**

9 5 7 10 8 11 14 15

**Disclaimer**

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.

To the best of our knowledge, the information contained herein is accurate. However, neither the Tnemec Company or any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

**End of MSDS**