

# Safety Data Sheet

**DAUBERT**  
CHEMICAL COMPANY, INC.

Stock Number: 3245033  
Revision Date: 03-01-2019  
Replaces: 01-19-2017

## TECTYL® 1431

### 1. Identification

Product identifier used on the label: **TECTYL® 1431**  
Stock Number: 3245033

Other means of identification:  
Synonyms: None  
Chemical family: Mixture

Recommended use of the chemical and restrictions on use:  
Recommended use: Corrosion Preventive Compound  
Restrictions on use: Uses other than those described above

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party: Daubert Chemical Company  
4700 S. Central Avenue  
Chicago, IL 60638

Telephone number: 1-708-496-7350  
E-mail address: SDS@Daubert.com  
Emergency phone number: Chemtrec: (800) 424-9300

### 2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard  
Symbols:



GHS Classification: Flammable Liquid Category 1; Skin Sensitization Category 1; Reproductive Toxicity Category 1B; Skin Corrosion/Irritation Category 2; Carcinogenicity Category 2; Hazardous to the aquatic environment - Acute Category 2

Signal Word: Danger

Hazard Statements: Extremely flammable liquid and vapor  
Causes skin irritation  
May cause an allergic skin reaction  
Suspected of causing cancer.  
May damage fertility or the unborn child.  
Toxic to aquatic life

Unclassified Hazards (HNOC):: None Identified

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## Precautionary Statements:

### Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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 equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/ vapors/spray.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

### Response:

If on skin: Wash with plenty of water.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF exposed or concerned: Get medical advice/attention.

Specific treatment: see Section 4 on this SDS.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Wash contaminated clothing before reuse.

In case of fire: Use appropriate media to extinguish.

### Storage:

Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

### Disposal:

Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

### Hazards not otherwise classified:

No data available

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## 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Naphtha, petroleum, hydrotreated light	None	64742-49-0	7 - 13
Methyl N-amyl ketone	None	110-43-0	5 - 10
Methyl ethyl ketone	None	78-93-3	5 - 10
Hydrotreated light distillate (Petroleum)	None	64742-47-8	3 - 7
Methyl n-propyl ketone	None	107-87-9	1 - 5
Zinc oxide	None	1314-13-2	0.5 - 1.5
Xylene	None	1330-20-7	0.1 - 1
Methyl Ethyl Ketoxime	None	96-29-7	0.1 - 1
Butyl benzyl phthalate	None	85-68-7	0.1 - 1

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

- Inhalation:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Thoroughly wash or discard clothing and shoes before reuse.
- Ingestion:** Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this SDS. If vomiting occurs, lean victim forward to reduce risk of aspiration into lungs. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

**Most important symptoms/effects, acute and delayed:** Causes skin irritation. May cause an allergic skin reaction Suspected of causing cancer. May damage fertility or the unborn child.

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Indication of immediate medical attention and special treatment needed, if necessary:

Consult a physician. Treat symptomatically.

## 5. Fire-fighting measures

**Suitable (and unsuitable) extinguishing media:**

**Suitable extinguishing media:**

Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

**Unsuitable extinguishing media:**

Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:**

Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

**Hazardous combustion products:**

Carbon dioxide, Carbon monoxide, Hydrocarbons, Sulfur oxides

**Special protective equipment and precautions for fire-fighters:**

Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

**Methods and materials for containment and cleaning up:**

Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste containers. Use clean, non-sparking tools to collect absorbed material. Collect and discard in accordance with local, state and national regulations. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

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## 7. Handling and storage

### Precautions for safe handling:

Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Follow all protective equipment recommendations provided in Section 8. Remove contaminated clothing and wash before reuse. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Use spark-proof tools and explosion-proof equipment.

### Conditions for safe storage, including any incompatibilities:

#### Safe storage conditions:

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Store in a cool dry place. Keep away from sources of ignition.

#### Materials to Avoid/Chemical Incompatibility:

Strong oxidizing agents, Chlorine, Strong acids

## 8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
Naphtha, petroleum, hydrotreated light	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	No data available	No data available
Methyl N-amyl ketone	100 ppm TWA	50 ppm	No data available	No data available
Methyl ethyl ketone	200 ppm TWA; 590 mg/m <sup>3</sup> TWA	200 ppm TWA; 590 mg/m <sup>3</sup> TWA	300 ppm STEL; 885 mg/m <sup>3</sup> STEL	No data available
Hydrotreated light distillate (Petroleum)		200 mg/m <sup>3</sup>	No data available	No data available
Methyl n-propyl ketone	200 ppm	No data available	150 ppm	No data available
Xylene	100 ppm TWA; 435 mg/m <sup>3</sup> TWA	100 ppm TWA	150 ppm STEL	No data available

### Appropriate engineering controls:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

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Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910.

## Individual protection measures, such as personal protective equipment:

### Respiratory Protection:

Proper ventilation (at a minimum) will be required when handling this product. Use respirators (NIOSH approved) only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.

### Eye protection:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses.

### Skin protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

### Gloves:

Chemically resistant gloves

### Other protective equipment:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses.

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

### General hygiene conditions:

Keep in air-tight containers- material is hygroscopic. Use with adequate ventilation Do not use pressure to empty container. Use non-sparking tools when opening or closing containers. Follow all protective equipment recommendations provided in Section 8. Remove contaminated clothing and wash before reuse. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Use spark-proof tools and explosion-proof equipment.

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## 9. Physical and chemical properties

### Appearance (physical state, color etc.):

Physical state:	Viscous Liquid
Color:	Black
Odor:	Hydrocarbon Solvent Slight
Odor Threshold:	No data available
pH:	No data available
Melting point/freezing point (°C):	
Melting Point (°C):	No data available
Freezing point (°C):	No data available
Initial boiling point and boiling range (°C):	No data available
Flash Point:	19 °F( -7 °C)
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammability or explosive limits:	No data available
Lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	>1 (Air=1)
Relative density:	1.16
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature (°C):	No data available
Decomposition Temperature (°C):	No data available
Viscosity:	34 sec, Zahn
Volatiles, % by weight:	29
VOC, Material, lb/gal	2.81
VOC, Material, grams/liter	336
VOC minus exempt solvents & water, g/l	336

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## 10. Stability and reactivity

<b>Reactivity:</b>	Not expected to be reactive
<b>Chemical stability:</b>	Hazardous polymerization will not occur.
<b>Possibility of hazardous reactions:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid (e.g., static discharge, shock, or vibration):</b>	Sparks, open flame, other ignition sources, and elevated temperatures. High temperatures. Elevated temperatures. Contamination.
<b>Incompatible materials:</b>	Strong oxidizing agents, Chlorine, Strong acids
<b>Hazardous decomposition products:</b>	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

## 11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

<b>Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):</b>	Eye contact, Inhalation, Skin contact
<b>Symptoms related to the physical, chemical and toxicological characteristics:</b>	Causes skin irritation. . May cause an allergic skin reaction. Suspected of causing cancer.. May damage fertility or the unborn child.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

<b>Ingestion Toxicity:</b>	Harmful if swallowed.
<b>Skin Contact:</b>	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>Inhalation Toxicity:</b>	Can cause systemic damage. Likely to be practically non-toxic based on animal data.
<b>Eye Contact:</b>	Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
<b>Sensitization:</b>	May cause an allergic skin reaction
<b>Mutagenicity:</b>	No data
<b>Reproductive and Developmental Toxicity:</b>	Classification has been based on toxicological information of the components in Section 3.



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**Carcinogenicity:** Xylene has caused cancer in laboratory animals, but the relevance to humans is uncertain. Carbon black has been classified by IARC as a Category 2B (known animal carcinogen, possible human carcinogen) material. This was based on the results of rat inhalation studies of carbon black, despite the lack of parallel evidence on humans or other animal species. Carbon Black in a coating product, either in wet or dry form, is encapsulated and unlikely to be present in small enough particles to present an inhalation risk. Normal precautions should be taken if the dry coating is to be severely abraded by sanding or sandblasting.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**Numerical measures of toxicity (such as acute toxicity estimates):**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphtha, petroleum, hydrotreated light	Oral LD50 Rat > 5170 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat > 7.63 mg/L
Methyl N-amyl ketone	Oral LD50 Rat = 1670 mg/kg	Dermal LD50 Rat > 2001 mg/kg	Inhalation LC50 (4h) Rat = 16.7 mg/L
Methyl ethyl ketone	Oral LD50 Rat > 2000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	
Hydrotreated light distillate (Petroleum)	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat > 20 mg/L
Methyl n-propyl ketone	Oral LD50 Rat = 1600 mg/kg	Dermal LD50 Rabbit > 20 ml/kg	Inhalation LC50 (4h) Rat 25.5 mg/L
Xylene	Oral LD50 Rat 3523 - 8600 mg/kg		Inhalation LC50 (4h) Rat 6700 ppm

Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC)

Monographs (latest edition), or by OSHA?:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
Carbon black	N	Y	N
Xylene	N	Y	N

**12. Ecological information**

Ecotoxicity (aquatic and terrestrial, where available): No data available

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## Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Methyl N-amyl ketone	110-43-0	No data available	No data available	LC50(96 HR) FLATHEAD MINNOW = 126 - 137 mg/L
Methyl ethyl ketone	78-93-3	EC50(48 HR) WATER FLEA > 100 mg/L	EC50(96HR) GREEN ALGAE > 100 mg/L	LC50(96 HR) FLATHEAD MINNOW > 100 mg/L
Methyl n-propyl ketone	107-87-9	EC50(48 HR) WATER FLEA > 110 mg/L	EC50(72HR) ALGAE 150 mg/L	LC50(96 HR) FLATHEAD MINNOW > 1240 mg/L
Xylene	1330-20-7	EC50(48 HR) WATER FLEA 90 mg/L	No data available	LC50(96 HR) RAINBOW TROUT 19000 ul/l

**Persistence and degradability:** No data

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects (such as hazardous to the ozone layer):** No data available

## 13. Disposal considerations

**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:** Spent or discarded material is a hazardous waste. Dispose of by incineration following Federal, State, Local, or Provincial regulations.

**Waste codes / waste designations:** D001

## 14. Transport information

**Domestic Ground in containers <= 119 GL** UN1993, FLAMMABLE LIQUIDS, N.O.S.,(Naphtha Solvent, Ketone),3, PG II

**Domestic Ground in containers > 119 GL** UN1993, FLAMMABLE LIQUIDS, N.O.S.,(Naphtha Solvent, Ketone),3, PG II

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**Shipping name for Export, Air (IATA)** UN1993, FLAMMABLE LIQUIDS, N.O.S.,(Naphtha Solvent, Ketone),3, PG II

**Shipping name for Export, Sea (IMDG)** UN1993, FLAMMABLE LIQUIDS, N.O.S.,(Naphtha Solvent, Ketone),3, PG II

**Marine Pollutant?** No

## 15. Regulatory information

### Status of formula components on selected national regulatory inventories:

LIST	STATUS
TSCA	All components in this product are on the TSCA Inventory or exempt.
Canadian DSL	All chemical substances in this material are included on or exempted from listing on the Canadian DSL.

Chemical Name	CAS #	Regulation	Percent
Carbon black	1333-86-4	Prop. 65 - Cancer	1 - 5
Ethylbenzene	100-41-4	Prop. 65 - Cancer	<0.1
Methyl isobutyl ketone	108-10-1	Prop. 65 - Cancer	<0.1
Crystalline silica	14808-60-7	Prop. 65 - Cancer	<0.1
Benzene	71-43-2	Prop. 65 - Cancer	TRACE
Naphthalene	91-20-3	Prop. 65 - Cancer	TRACE
Butyl benzyl phthalate (BBP)	85-68-7	Prop. 65 - Developmental and/or Reproductive	0.1 - 1
Methyl isobutyl ketone	108-10-1	Prop. 65 - Developmental and/or Reproductive	<0.1

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<b>Toluene</b>	108-88-3	Prop. 65 - Developmental and/or Reproductive	<0.1
<b>Benzene</b>	71-43-2	Prop. 65 - Developmental and/or Reproductive	TRACE
<b>Di-n-butyl phthalate (DBP)</b>	84-74-2	Prop. 65 - Developmental and/or Reproductive	TRACE
<b>Methyl ethyl ketone</b>	78-93-3	CERCLA	5 - 10 RQ = 5000 lbs.
<b>Zinc Compounds</b>	7779-90-0	CERCLA	1 - 5 RQ = None Assigned
<b>Butyl benzyl phthalate</b>	85-68-7	CERCLA	0.1 - 1 RQ = 100 lbs
<b>Zinc Compounds</b>	7779-90-0	SARA 313	1 - 5
<b>No SARA 302 EHS-listed chemicals in this product.</b>		SARA EHS	

## 16. Other information, including date of preparation or last revision.

**SDS Prepared by:** DAUBERT\HALINSKI  
**Revision Date:** 03-01-2019  
**Revision Number:** 27  
**Reason for revision:** Reviewed  
Approved: M. Longo

**Disclaimer:** Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.