

Safety Data Sheet

DAUBERT
CHEMICAL COMPANY, INC.

Stock Number: 3330000
Revision Date: 08-10-2017
Replaces: 08-04-2017

TECTYL® 2102 HP

1. Identification

Product identifier used on the label: TECTYL® 2102 HP
Stock Number: 3330000

Other means of identification:
Synonyms: VM&P Naphtha
Chemical family: PETROLEUM HYDROCARBONS

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: 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 Corrosion/Irritation Category 2; Serious Eye Damage/Eye Irritation Category 2A; Carcinogenicity Category 2; Reproductive Toxicity Category 2; Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2; Hazardous to the aquatic environment - Acute Category 2; Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3; Hazardous to the aquatic environment - Chronic Category 3

Signal Word: Danger

Hazard Statements: Extremely flammable liquid and vapor
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation

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Unclassified Hazards (HNOC)::

May cause drowsiness or dizziness
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure
Toxic to aquatic life
Harmful to aquatic life with long lasting effects
None Identified

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.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
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 inhaled: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.

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Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

In case of fire: Use appropriate media to extinguish.

Storage:

Store in a well-ventilated place. 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

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Toluene	None	108-88-3	30 - 50
Acetone	None	67-64-1	10 - 30
Light aromatic solvent naphtha	None	64742-95-6	5 - 10
Hydrotreated distillate, light	VM&P Naphtha	68410-97-9	3 - 7
1,2,4-Trimethylbenzene	None	95-63-6	1 - 5
Xylene	None	1330-20-7	0.1 - 1
Cumene	None	98-82-8	0.1 - 1

One or more hazardous ingredient(s) is claimed as a trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

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.

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Skin Contact:	Seek medical advice if symptoms persist. 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. Remove contaminated clothing and continue flushing with water.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this SDS. 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. Never give anything by mouth to an unconscious person.
Most important symptoms/effects, acute and delayed:	Causes skin irritation Causes serious eye irritation May cause respiratory irritation May cause drowsiness or dizziness May cause damage to organs through prolonged or repeated exposure
Indication of immediate medical attention and special treatment needed, if necessary:	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: No data available

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. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

Hazardous combustion products: Oxides of carbon, Smoke, Calcium oxides, Oxides of nitrogen

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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.

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. "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, Strong acids

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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
Toluene	200 ppm TWA; Ceiling 300 ppm	20 ppm	No data available	No data available
Acetone	1000 ppm TWA	500 ppm TWA	750 ppm STEL	No data available
Light aromatic solvent naphtha		25 ppm	150 ppm	No data available
Hydrotreated distillate, light		200 ppm 8 hours	No data available	No data available
1,2,4-Trimethylbenzene	25 ppm	25 ppm	No data available	No data available
Xylene	100 ppm TWA; 435 mg/m3 TWA	100 ppm TWA	150 ppm STEL	No data available
Cumene	50 ppm	50 ppm	No data available	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.

Facilities storing or using this material should be equipped with an eyewash and safety shower.

Explosion proof exhaust ventilation should be used.

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. If an exposure limit is exceeded provide respiratory protection. 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.

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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:	Impervious rubber
Other protective equipment:	
General hygiene conditions:	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.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state:	Liquid
Color:	Black
Odor:	Solvent Odor
Odor Threshold:	No data available
pH:	No data available
Melting point/freezing point:	
Melting Point:	No data available
Freezing point:	No data available
Initial boiling point and boiling range (°C):	No data available
Flash Point:	< 4 °F(-16 °C)
Evaporation Rate:	>1 (n-Butyl Acetate=1)
Flammability (solid, gas):	No data available

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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: 0.95

Solubility(ies): Negligible; 0-1%

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature (°C): 600

Decomposition Temperature: No data available

Viscosity: 10000 cP

Volatiles, % by weight: 64.5

VOC, Material, lb/gal 4.8

VOC, Material, grams/liter 575.8

VOC minus exempt solvents & water, g/l 472

10. Stability and reactivity

Reactivity: Not expected to be reactive

Chemical stability: Stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid (e.g., static discharge, shock, or vibration): Sparks, open flame, other ignition sources, and elevated temperatures. Contamination. High temperatures.

Incompatible materials: Strong oxidizing agents, Strong acids

Hazardous decomposition products: Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

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11. Toxicological information

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

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):

Eye contact, Skin contact, Absorption, Inhalation

Symptoms related to the physical, chemical and toxicological characteristics:

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure

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

Ingestion Toxicity:

Harmful if swallowed. Not believed to have any significant toxicity.

Skin Contact:

Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Inhalation Toxicity:

Likely to be toxic based on animal data. Can cause systemic damage.

Eye Contact:

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.

Sensitization:

None known

Mutagenicity:

No data

Reproductive and Developmental Toxicity:

Animal studies indicate that a component of this product might have the potential to cause reproductive harm in humans. No direct evidence that the substance is a reproductive hazard to humans exists however.

Carcinogenicity:

Cumene has shown to cause cancer in laboratory animals, but the relevance to humans is uncertain. Xylene has caused cancer in laboratory animals, but the relevance to humans is uncertain.

STOT-single exposure:

Classification has been based on toxicological information of the components in Section 3.

STOT-repeated exposure:

Classification has been based on toxicological information of the components in Section 3.

Aspiration hazard:

Based on available data, the classification criteria are not met.

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Toluene	Oral LD50 Rat = 5580 mg/kg	Dermal LD50 Rabbit = 12267 mg/kg	Inhalation LC50 (4h) Rat > 20 mg/L
Acetone	Oral LD50 Rat = 5800 mg/kg	Dermal LD50 Guinea pig > 7426 mg/kg	Inhalation LC50 (4h) Rat = 32000 ppm
Light aromatic solvent naphtha			Inhalation LC50 (4h) Rat = 3670 ppm
Hydrotreated distillate, light	Oral LD50 Rat 5.17 g/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat > 5.2 mg/L
1,2,4-Trimethylbenzene	Oral LD50 Rat 5000 mg/kg		Inhalation LC50 (4h) Rat 18000 MG/M3
Xylene	Oral LD50 Rat 4300 mg/kg		Inhalation LC50 (4h) Rat 6700 ppm
Cumene	Oral LD50 Rat 2260 mg/kg		

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
Xylene	N	Y	N
Cumene	N	Y	N

12. Ecological information

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

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Toluene	108-88-3	EC50(48 HR) Daphnia = 6 mg/L	EC50(96HR) ALGAE > 433 ppm	LC50(96 HR) FISH = 5.5 mg/L
Acetone	67-64-1	LC50(48HR) WATER FLEA = 12600 - 12700 mg/L	No data available	No data available
Light aromatic solvent naphtha	64742-95-6	EC50(48 HR) WATER FLEA = 6.14 mg/L	No data available	LC50(96 HR) FISH = 58 mg/L

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Hydrotreated distillate, light	68410-97-9	EC50(48 HR) Daphnia 1 - 10 mg/L	EC50(72HR) ALGAE 1 - 10 mg/L	LC50(96 HR) FISH 1 - 10 mg/L
1,2,4-Trimethylbenzene	95-63-6	EC50(48 HR) WATER FLEA = 3.6 mg/L	No data available	LC50(96 HR) FLATHEAD MINNOW 7.72 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
Cumene	98-82-8	EC50(48 HR) WATER FLEA 2.14 mg/L	EC50(72HR) GREEN ALGAE 2.6 mg/L	LC50(96 HR) RAINBOW TROUT 4.8 mg/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

Full shipping name for Export, Air, Sea (any quantity unless flash pt. >150°F) or vessels of 119 GL or more UN1139, COATING SOLUTION, 3, PG II

Domestic Ground in vessels < 119 gal. UN1139, COATING SOLUTION, 3, PG II

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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
Toluene	108-88-3	California Prop 65	30 - 50
Carbon black (airborne, unbound particles of respirable size)	1333-86-4	California Prop 65	0.5 - 1.5
Cumene	98-82-8	California Prop 65	0.1 - 1
Benzene	71-43-2	California Prop 65	<0.1
Toluene	108-88-3	CERCLA	30 - 50 RQ = 1000 lbs
Acetone	67-64-1	CERCLA	10 - 30 RQ = 5000 lbs
Cumene	98-82-8	CERCLA	0.1 - 1 RQ = 5000 lbs.
Toluene	108-88-3	SARA 313	30 - 50
1,2,4-Trimethylbenzene	95-63-6	SARA 313	1 - 5
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

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

SDS Prepared by: DAUBERT\HALINSKI

Revision Date: 08-10-2017

Revision Number: 13

Reason for revision: Reviewed
Approved: M. Longo

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