

Safety Data Sheet

Revision Date 08-04-2016
Revision Number 22



SECTION 1 Identification of the substance/mixture and of the company/undertaking

Product identification used on label

Product identifier	3214 TECTYL® 859B
Details of the supplier of the safety data sheet	Daubert Chemical Company 4700 S. Central Avenue Chicago, IL 60638 708-496-7350
Emergency telephone number	Chemtrec: (800) 424-9300
Relevant identified uses of the substance or mixture and uses advised against	Corrosion Preventive

SECTION 2 Hazards identification

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

GHS Hazard
Symbols



GHS Classification	Aspiration Hazard Category 1
Signal Word	Danger
Hazard Statements	May be fatal if swallowed and enters airways.
Precautionary Statements	
Response	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	70 - 100
Paraffin oils, petroleum, catalytic dewaxed light	64742-71-8	1 - 5
2-Heptadecenyl-4,4 (5H)-Oxazolidimethanol	28984-69-2	1 - 5

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret.

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SECTION 4 First aid measures

Inhalation	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
Eyes	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.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.
Most important symptoms/effects, acute and delayed	See Section 11
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5 Firefighting measures

Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
Fire and/or Explosion Hazards	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Fire Fighting Methods and Protection	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use appropriate methods for the surrounding fire.
Hazardous Combustion Products	Carbon dioxide, Carbon monoxide, Hydrocarbons

SECTION 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 VIII 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.
Methods and materials for containment and cleaning up	Collect and discard in accordance with local, state and national regulations.

SECTION 7 Handling and storage

Precautions for safe handling	Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing.
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Conditions for safe storage, including any incompatibilities

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not store in direct sunlight
Strong oxidizing agents

Incompatible materials

SECTION 8 Exposure controls/personal protection

Control parameters

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
Distillates (petroleum), hydrotreated light naphthenic			5mg/m3 (mist)
Paraffin oils, petroleum, catalytic dewaxed light	5 mg/m3		5 mg/m3

This product contains mineral oils having recommended exposure limits of 5 mg/m³ in mist form. Because the viscosity of this product is <= 20.5 cSt, mists can be formed in certain applications. If mists do form, use appropriate controls to maintain exposure below the stated limits.

Engineering Measures	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits
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.
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

SECTION 9 Physical and chemical properties (Typical, not specification)

Physical State	Oily liquid (mists may form during application)
Color	Amber
Odor	Moderate Amine Type
Odor Threshold	No data available
pH	No data available
Melting Point/freezing point, °C	No data available
Initial boiling point and boiling range, °C	No data available
Flash Point	272 °F(133 °C)
Evaporation Rate	>1 (n-Butyl Acetate=1)
Flammability (Solid, Gas)	No data available

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Lower Flammable/Explosive Limit, % in air	No data available
Upper Flammable/Explosive Limit, % in air	No data available
Vapor Pressure	No data available
Vapor Density	>1 (Air=1)
Specific Gravity @ 25°C	0.9
Solubility in Water	Negligible; 0-1%
Octanol/Water Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	Typical 11 cSt @ 40°C
Volatiles, % by weight	No data available
VOC, lb/gal	1.1
VOC, grams/liter	131.9
VOC minus exempt solvents & water, lb/gal	1.1

SECTION 10 Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under normal conditions. Hazardous polymerization will not occur.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

SECTION 11 Toxicological information

Likely Routes of Entry	Inhalation, Skin contact, Eye contact
Target Organs Potentially Affected by Exposure	No organs known to be damaged from exposure to this product.
Chemical Interactions That Change Toxicity	No chemical interaction known to affect toxicity.
Immediate (Acute) Health Effects by Route of Exposure	
Inhalation Irritation	
Skin Contact	Can cause minor skin irritation, defatting, and dermatitis.
Eye Contact	Mild eye irritant.
Ingestion Irritation	Ingestion is not considered a likely route of exposure. If swallowed, consult a physician.
Ingestion Toxicity	Not believed to have any significant toxicity.
Long-Term (Chronic) Health Effects	
Carcinogenicity	There are no carcinogenic ingredients present at or over 0.1%.
Skin Contact	Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.
Ingestion	Under normal industrial usage conditions, ingestion is highly unlikely.

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Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	Dermal LD50 Rabbit > 2000 mg/kg Oral LD50 Rat > 5000 mg/kg Inhalation LC50 (4h) Rat = 5.7 mg/L
Paraffin oils, petroleum, catalytic dewaxed light	64742-71-8	Dermal LD50 Rabbit > 2000 mg/kg Oral LD50 Rat > 5000 mg/kg Inhalation LC50 (4h) Rat 9.5 mg/L
2-Heptadecenyl-4,4 (5H)-Oxazoledimethanol	28984-69-2	Oral LD50 Mouse > 5000 mg/kg

SECTION 12 Ecological information

Overview	No ecological information available
Mobility	No data
Persistence	No data
Bioaccumulation	No data
Degradability	No data

Ecotoxicity Data

Chemical Name	CAS Number	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	EC50 (48 hr) Daphnia > 100 mg/L	EC50 (72 hr) Algae > 100 mg/L	EC50 (96 hr) Fish > 100 mg/L
Paraffin oils, petroleum, catalytic dewaxed light	64742-71-8	EC50 (48 hr) Daphnia > 100 mg/L	EC50 (72 hr) Algae > 100 mg/L	LC50 (96 hr) Fish > 100 mg/L
2-Heptadecenyl-4,4 (5H)-Oxazoledimethanol	28984-69-2		EC50 (72 hr) Algae = 56 - 67 mg/L	LC50 (96 hr) Golden Orfe = 2100 mg/L

SECTION 13 Disposal considerations

Waste Description for Spent Product	Spent or discarded material is not expected to be a hazardous waste.
Disposal Methods	Dispose of in accordance with Local and National regulations.
Waste Disposal Code(s)	Not applicable

SECTION 14 Transport information

Full shipping name for Export, Air, Sea (any quantity unless flash pt. >150°F) or vessels of 119 GL or more	Rust Inhibitor / Non-Hazardous
Domestic Ground in vessels < 119 gal.	Non-Hazardous

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SECTION 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	One or more chemical substances in this material are on the Canadian NDSL and the remainder are included on the Canadian DSL or are exempt.

Chemical Name	CAS #	Regulation	Percent
No CERCLA-listed chemicals in this product.		CERCLA	
No 313-listed chemicals in this product.		SARA 313	
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

SECTION 16 Other information

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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.

Version Reviewed

Comments Approved: M. Duncan