

SAFETY DATA SHEET



Tandem® 530

Date of Issue: 23 May 2025
Version: V1.0

ACCORDING TO OSHA HCS (29 CFR 1910.1200)

SECTION 1: IDENTIFICATION

Product identifier

Product Name Tandem® 530

Other Means of Identification

None Known

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Intended for food use, Emulsifier
Uses Advised Against Anything other than the above.

Details of the supplier of the safety data sheet

Supplier PATCO Products LLC
6363 College Blvd Suite 400
Overland Park KS 66211
USA
Telephone 1-844-477-2826
E-Mail (competent person) daniel.blevins@patcoproducts.com

Emergency telephone number

Emergency Phone No. CHEMTREC Central America: +52 55 8526 4930
CHEMTREC US/Canada: +1 703-741-5970 / 1-800-424-9300
Languages spoken English

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture in accordance with paragraph (d) of 29 CFR 1910.1200

Physical hazards Not classified
Health hazards Not classified
Environmental hazards Not classified

Label elements

Hazard Pictogram(s) None assigned
Signal Word(s) None assigned
Hazard Statement(s) None assigned
Precautionary Statement(s) None assigned

Other hazards

None Known.

Percent of the mixture consists of ingredient(s) of unknown acute toxicity:

0% of the mixture consists of ingredients of unknown acute inhaled toxicity.
0% of the mixture consists of ingredients of unknown acute oral toxicity.
0% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances - Not applicable

Mixtures

Not hazardous according to current OSHA Regulation. No component of this mixture is included above the relevant concentration levels detailed within §1910.1200.

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SECTION 4: FIRST AID MEASURES



Description of first aid measures

Self-protection of the first aider

Use personal protective equipment as required. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Avoid breathing vapours. Avoid contact with skin and eyes. Contaminated clothing should be laundered before reuse.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation develops and persists, get medical attention. Remove clothing and wash thoroughly before use. Wash affected skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Skin Contact

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Eye Contact

Rinse mouth. Give plenty of water to drink. Get medical attention.

Ingestion

None Known.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

In case of fire, use: Water spray, foam, dry powder or CO2

Unsuitable extinguishing Media

Direct water jet may spread the fire.

Special hazards arising from the substance or mixture

Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature.

Advice for fire-fighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. Shut off leaks if without risk. Avoid contact with skin and eyes. Ensure adequate ventilation. Avoid breathing vapours.

Methods and material for containment and cleaning up

Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Ensure adequate ventilation Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

Storage temperature

Keep cool. Protect from sunlight. (55-85°F/13-29°C).

Incompatible materials

Oxidizing agents, bases, acids, metals

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

No Occupational Exposure Limit assigned.

No substance specific American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs)

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No substance specific Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs)
No substance specific National Institute for Occupational Safety and Health (NIOSH) Recommended exposure limits (RELs)

Biological exposure indices

Not established.

Appropriate engineering controls

Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

Individual protection measures, such as personal protective equipment (PPE)

Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke at the work place.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/face protection



Use eye protection according to EN 166, designed to protect against liquid splashes.

Skin protection



Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse. Recommended: Butyl rubber, Chloroprene rubber, PVC, Nitrile rubber.

Respiratory protection



Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Semi-solid paste
Colour	Off-white, pale yellow
Odour	No data available
Melting Point/Freezing Point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Flash Point	490-500°F
Auto-ignition temperature	No data available
Decomposition Temperature	No data available
PH	Not applicable
Kinematic viscosity	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Vapour pressure	No data available
Density and/or relative density	No data available
Relative vapour density	Not applicable
Particle characteristics	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

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Chemical stability
Possibility of hazardous reactions

Stable under normal conditions.
Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature.

Conditions to avoid
Incompatible materials
Hazardous decomposition product(s)

Protect from sunlight and do not expose to extreme temperatures.
Oxidizing agents, bases, acids, metals.
Carbon monoxide, Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity - Ingestion

Mixture: Based upon the available data, the classification criteria are not met.
Mixture: Calculated acute toxicity estimate (ATE) >2,000 mg/kg.

Acute toxicity - Skin Contact

Mixture: Based upon the available data, the classification criteria are not met.
Calculated acute toxicity estimate (ATE) >2,000 mg/kg.

Acute toxicity - Inhalation

Mixture: Based upon the available data, the classification criteria are not met.
Calculated acute toxicity estimate (ATE) > 5 mg/l

Skin corrosion/irritation

Mixture: Based upon the available data, the classification criteria are not met.

Serious eye damage/irritation

Mixture: Based upon the available data, the classification criteria are not met.

Respiratory or skin sensitization

Mixture: Based upon the available data, the classification criteria are not met.

Germ cell mutagenicity

Mixture: Based upon the available data, the classification criteria are not met.

Carcinogenicity

Mixture: Based upon the available data, the classification criteria are not met.

Reproductive toxicity

Mixture: Based upon the available data, the classification criteria are not met.

STOT - single exposure

Mixture: Based upon the available data, the classification criteria are not met.

STOT - repeated exposure

Mixture: Based upon the available data, the classification criteria are not met.

Aspiration hazard

Mixture: Based upon the available data, the classification criteria are not met.

Information on likely routes of exposure

Inhalation

Possible – accidental exposure

Ingestion

Possible – accidental exposure

Skin Contact

Possible – accidental exposure

Eye Contact

Possible – accidental exposure

Early onset symptoms related to exposure

None Known

Delayed health effects from exposure

None Known

Exposure levels and health effects

See Section: 8

Interactive effects

None Known

Other information

OSHA Designated Carcinogen

Not listed

NIOSH Occupational Carcinogen List

Not listed

NTP Report on Carcinogens

Not listed

IARC Monographs

Not listed

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Mixture: Based upon the available data, the classification criteria are not met.

Persistence and degradability

No data for the mixture as a whole.

Bioaccumulative potential

No data for the mixture as a whole.

Mobility in soil

No data for the mixture as a whole.

Other adverse effects

None Known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation.

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SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	Road/Rail (ADR/RID)	Sea transport (IMDG)	Air (ICAO/IATA)
UN number	None assigned	None assigned	None assigned
UN proper shipping name	None assigned	None assigned	None assigned
Transport hazard class(es)	None assigned	None assigned	None assigned
Packing group	None assigned	None assigned	None assigned
Environmental hazards	Not classified	Not classified as a Marine Pollutant.	Not classified
Special precautions for user	See Section: 2		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable		
Additional Information	None		

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Federal Regulations

TSCA Chemical Data Reporting (CDR) Rule	Mono- and Diglycerides (Glycerides, C8-18 and C18-unsatd. mono- and di-): (Subject to 25,000lb reporting threshold) Polysorbate 60: (exempt from reporting under CDR) Ascorbic acid: (Partially exempt from reporting under CDR)
NIOSH Occupational Carcinogen List	Not listed
EPCRA Section 313	Not listed
CWA 307- Toxic	Not listed
CERCLA - Hazardous Substances	Not listed
CWA Section 311 List of Hazardous Substances	Not listed

US State Regulations

Proposition 65 (California)	Not listed
Massachusetts, New Jersey, Pennsylvania, Rhode Island- State Right to Know Lists	Not listed
New York -State Right to Know Lists	Not listed
Minnesota - State Right to Know Lists	Not listed
Massachusetts – Toxic Use reduction act	Not listed

Non-Regional

IARC Monographs	Not listed
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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable – V1.0

Version	V1.0
Revision Date	23 May 2025

This Safety Data Sheet was prepared in accordance with US Regulation OSHA HCS (29 CFR 1910.1200)

References:Existing ECHA registration(s) for Substances.

The substance/mixture is not classified in accordance with OSHA HCS (29 CFR 1910.1200)

LEGEND

ADR/RID	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road / RID: Regulations concerning the international railway transport of dangerous goods
CAS	CAS: Chemical Abstracts Service
DNEL	Derived No Effect Level

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EC	EC: European Community
EU	European Union
IATA	IATA: International Air Transport Association
ICAO/IATA	ICAO: International Civil Aviation Organization / IATA: International Air Transport Association
IMDG	IMDG: International Maritime Dangerous Goods
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
UN	United Nations
vPvB	very Persistent and very Bioaccumulative

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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