

MATERIAL SAFETY DATA SHEET
Tween® 80

Section 1 - Chemical Product and Company Identification

MSDS Name:	Tween® 80
Catalog Numbers:	27863-0000, 27863-0010, 27863-0025, 27863-0050, 27863-2500
Synonyms:	Polyoxyethylene(20)sorbitan monooleate
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticaaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
9005-65-6	Tween® 80		unlisted

Hazard Symbols: None listed

Risk Phrases: None listed

Section 3 - Hazards Identification
EMERGENCY OVERVIEW

Not available

Potential Health Effects

Eye:	May cause eye irritation.
Skin:	May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation:	May cause respiratory tract irritation. May be harmful if inhaled.
Chronic:	

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
Storage: Store in a cool, dry place. Store in a tightly closed container. Store at around 20°C.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits
CAS# 9005-65-6:

Personal Protective Equipment

Eyes: Wear chemical splash goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Viscous liquid
Color: clear yellow to amber
Odor: Not available
pH: 6 (10 % aq.solution)
Vapor Pressure: <1hPa @20 deg C
Viscosity: 400 mPa.s @25 deg C
Boiling Point: Not available
Freezing/Melting Point: Not available
Autoignition Temperature: Not available
Flash Point: > 110 deg C (> 230.00 deg F)
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available

Decomposition Temperature: Not available

Solubility in water: 100 g/l

Specific Gravity/Density: 1.080

Molecular Formula:

Molecular Weight:

Section 10 - Stability and Reactivity

Chemical Stability: Not available
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials Strong oxidizing agents, bases, heavy metal salts.
Hazardous Decomposition Products Carbon monoxide, carbon dioxide.
Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 9005-65-6: WG2932500
LD50/LC50: RTECS:
CAS# 9005-65-6: Draize test, rabbit, eye: 150 mg Mild;
Oral, mouse: LD50 = 25 gm/kg;
Oral, rat: LD50 = 34500 uL/kg;
Other: Oral, rat: LD50 = 38000 mg/kg
Carcinogenicity: Tween® 80 - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: LC50 = 471 mg/l; 96H; .
Other: Do not empty into drains. Not readily biodegradable.
Biodegradation: 52 %

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not regulated.	Not regulated.	Not regulated.
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 9005-65-6: 1

Canada

CAS# 9005-65-6 is listed on Canada's DSL List

US Federal

TSCA

CAS# 9005-65-6 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 1/07/1998

Revision #1 Date 11/28/2007

Revisions were made in Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

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