

Spartan Chemical Company, Inc. Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

ORANGE TOUGH 90 Product Number: 2290 Product Division: Janitorial

Spartan Chemical Company , Inc. 1110 Spartan Drive Maumee OH 43537 Product/Technical Information: 1-(800)-537-8990

Medical Emergency: 1-(888)-314-6171 (24 hours)

Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Non Hazardous Products

NFPA Ratings:		HMIS Ratings:
Health: 2 - Moderate		Health: 2 - Moderate
Fire: 2 - Moderate	•	Fire: 2 - Moderate
Reactivity: 0 - Minimal		Reactivity: 0 - Minimal
*		Pers. Prot. Equip.: See Section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

				Tabie Z-1-A		
Chemical Name(s)	%Wt	CAS Registry No.	TWA mg/m³	STEL mg/m³	CEILING mg/m³	NTP, IARC or OSHA Carcinogen
d-limonene Nonyl phenol ethoxylate Alcohol ethoxylate	85-95 10-15 1-5	5989-27-5 127087-87-0 68439-46-3	Not Established Not Established Not Established	Not Established Not Established Not Established	Not Established Not Established Not Established	No

SECTION III: PHYSICAL DATA

Boiling Point 310 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water. Emulsifiable
pH: NA	Specific Gravity (H ₂ O=1): 0,86
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight 10-15
Physical State: Liquid	
Appearance & Odor: Clear orange liquid, orange citi	rus odor

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point	124°F	Wethod Used: AS	ГМ-D56
Flammable Limits:	Not Established	Flame Extension: N/A	
Extinguishing Media:	Water, carbon dioxide or dry ch	emical.	
Special Fire Fighting Procedures	Wear NIOSH approved self-cor containers with water spray.	tained breathing apparatus and protective	e clothing Cool fire-exposed
Unusual Fire & Explosive Hazards:	Combustible liquid and vapor.	Keep away from heat, sparks or flame. Co	ombustion products are toxic.

	Not Established	Primary Routes of Entry: Inhalation, Skin Contact, Eyes & O
Effects of Overexposure-	Causes eye irritation: Symptoms m	nay include pain, redness and swelling of the conjunctiva.
Conditions to Avoid:		may include redness, pain and swelling. nclude pain, nausea, vomiting and diarrhea.
		may cause respiratory irritation: Symptoms may include nasal
	discomfort and coughing.	The state of the s
		se skin sensitization with repeated contact.
		clothing. Avoid breathing product vapors or mists. Do not
	swallow. Use with adequate venti	lation. Wash thoroughly after handling.
Conditions Aggravated by Use:	Use of this product may aggravate p dermatitis.	reexisting skin, eye and respiratory disorders including asthma and
Emergency & First Aid Procedures :		
Eyes:	Flush eyes with plenty of water for a	least 15 minutes. Remove contact lenses. Get medical attention.
Skin:	Remove contaminated clothing. Flus	sh skin with water for at least 15 minutes. Get medical attention if
	irritation persists. Wash contaminate	ed clothing before reuse.
Ingestion:	Do not induce vomiting. Drink one o	r two glasses of water to dilute product. Get medical attention.
	Never give anything by mouth to an	
Inhalation:	Move person to fresh air. Get medic	al attention if irritation persists
ECTION VI: REACTIVITY DATA		
		I de la companie de l
Stability:		Incompatible Materials: Strong acids and oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide	Hazardous Polymerization: Will Not Occur
Material is Released or Shilled	 Dike and contain spill with ipert mate 	
Waste Disposal Method:	containers for disposal. Keep spills on the Do not dispose of this product by powaters. Consult with local, federal and	prial(sand, earth, commercial absorbent, etc.) and transfer to out of storm sewers and waterways. uring on the ground, into storm sewers, waterways or other surface and state authorities prior to disposal of any d-limonene containing em. Dispose of in compliance with all federal state and local laws
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