



PURE GUM TURPENTINE

Material Safety Data

17491

AKZO Coatings Inc. P.O. Box 349 Baxley, Ga. 31513 TEL (912) 367-3616 FAX (912) 367-5754	Health Hazard Flammability Hazard Reactivity Hazard Personal Protection	2 - Slight 3 - Serious 0 - None See Section 8	National Paint and Coatings Association Hazardous Materials Identification System
AKZO Product Name: TURPENTINE			

The OSHA Hazard Communication Standard 29CFR1910.1200 requires that the information contained on these sheets be made available to your employees. Instruct your employees to handle this product properly. For Industrial Use Only!

SECTION I PRODUCT INFORMATION

Chemical Names : Turpentine: Gum Spirits of
CAS Registry No.: 9005-90-7
Chemical Family : Volatile mixture of hydrocarbon isomers (C₁₀H₁₆) obtained from pine gum.

SHIPPING DATA

DOT Proper shipping name : Turpentine
DOT Hazard Class/I.D. No.: 3, UN1299, PGIII
DOT Label : Flammable Liquid
Hazardous Substance/RQ. : Ignitable waste/100 lb. (45.4 kg)
This material is regulated federally under the Hazardous Materials Transportation Act, Title 49 (CFR 49) or the EPA, Resource Conservation and Recovery Act Title 40 (CFR 40).

SECTION II HAZARDOUS INGREDIENTS

CAS Registry No.	Component	Pct. by wt.	Occupational Exposure Limits
9005-90-7	Turpentine	100%	OSHA PEL: 100 ppm (560 mg/m ³) ACGIH/TLV/TWA: 100 ppm (560mg/m ³) TLV/STEL: 150 ppm (840 mg/m ³)

SECTION III PHYSICAL DATA

Appearance and odor: Clear, colorless liquid with characteristic pungent odor (pinene)
Threshold of perception is below 75 ppm
Solubility in Water: Essentially insoluble; 0.023% by weight (20° - 25°C.)
Typical Composition: Alpha-pinene (080568): 60-65%
Beta-pinene (127913): 25-35%
Other Terpenes : 5-8%
Saturation in Air (by vol.): 0.5% @ 20°C. and 760 mm Hg.
Specific Gravity (H₂O = 1): 0.863
Boiling Point : 311 - 338°F.
Vapor Pressure : 4 mm Hg @ 20°C.
Percent Volatile (by volume): +99%
Refractive Index: 1.473 @ 20°C.

NOTE: N/A - Not Applicable ND - No Data

These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.



Material Safety Data

AKZO Coatings Inc. P.O. Box 349 Baxley, Ga. 31513 TEL (912) 367-3616 FAX (912) 367-5754	Health Hazard	2 - Slight	National Paint and Coatings Association Hazardous Materials Identification System
	Flammability Hazard	3 - Serious	
	Reactivity Hazard	0 - None	
	Personal Protection	See Section 8	
AKZO Product Name: TURPENTINE			

CHRONIC EXPOSURE: May cause predisposition to pneumonia and chronic nephritis. Chronic exposure can produce allergenic sensitization. Effects of repeated inhalation of vapors below TLV listed is presumed safe.

MEDICAL CONDITIONS PRONE TO AGGRAVATE BY EXPOSURE:

Inhalation of vapors could aggravate existing respiratory condition.

FIRST AID MEASURES:

Inhalation: If affected, remove to fresh air. If respiration stops, give mouth to mouth resuscitation. Get Medical Attention. See physician if irritation persists or for excessive exposures.

Dermal: Wash exposed areas with warm water and soap. Remove contaminated clothing and shoes and launder before reuse. If absorbed by skin or irritation persist, call a physician.

Ingestion: GET MEDICAL HELP PROMPTLY. Stomach pumping and lavage may be required. Give edible oil or white mineral oil to drink. Do not induce vomiting. Aspiration a hazard if vomiting occurs.

Eyes: IMMEDIATELY flush eyes for at least 15 minutes ensuring complete irrigation of all eye and lid tissues. Get medical attention.

MASSIVE EXPOSURE: Attention should be directed towards kidney functions

TOXICOLOGICAL DATA:

Alpha and Beta Pinene: Acute oral (rat) LD₅₀ = 3700 mg/kg to >5000 mg/kg

Alpha Pinene: Acute dermal (rabbit) - LD₅₀ = >5000 mg/kg

Turpentine: Oral (human) LD₅₀ = 500 mg/kg

Inhalational (human) LCL₀ = 175 ppm (irritant effects)

Possibility of Teratogenic Effects exists for pregnant women (AIHA Journal, 1976 423-26)

Emergency Telephone number available 24 hours/day 1-800-424-9300

SECTION VII SPILL & DISPOSAL PROCEDURES

PROCEDURE IN CASE SPILL OR RELEASE:

Enclose with diking material to prevent seepage into natural bodies of water. Reporting to government authorities may be required. Provide adequate explosion proof ventilation to remove fumes from spill area where exposure level is not know, wear NIOSH approved positive pressure self-contained respirator. Personnel should use protection against contact with liquids as well as against breathing vapors. Pick up with absorbant material and place in a waste disposal container. Flush area with water.

DISPOSAL:

Disposal should be in accordance with all applicable local, state and federal regulations. Burning is recommended for waste disposal using an approved incinerator.

EPA HAZARDOUS WASTE NUMBER (40CFR261.21): D001

EPA REPORTABLE QUANTITY (49CFR172.101 Appendix) : 100 lbs.



Material Safety Data

AKZO Coatings Inc. P.O. Box 349 Baxley, Ga. 31513 TEL (912) 367-3616 FAX (912) 367-5754	Health Hazard Flammability Hazard Reactivity Hazard Personal Protection	2 - Slight 3 - Serious 0 - None See Section 8	National Paint and Coatings Association Hazardous Materials Identification System
AKZO Product Name: TURPENTINE			

SECTION X ADDITIONAL INFORMATION

This material is considered "Non-hazardous" according to current U.S. Department of Labor regulations.

This product is listed on the EPA/TSCA Inventory of Chemical Substances.
 This product is listed on the CEPA/DSL of Chemical Substances.

California

Prop 65 : To the best of our knowledge, belief and current analytical methods, this product generally does not contain detectable amounts of any chemical known to the state of California to cause cancer or reproductive toxicity and which has appeared on the list of such chemicals published by the Governor. However, contaminants in raw materials, incomplete chemical reactions, or other factors may, from time to time result in the inclusion in a product of detectable amounts of material not generally present in this product.

SARA Hazard: According to our interpretation of section 311 and 312 of the SARA Title Category : III regulations, this product is considered, under applicable definitions, to meet the following categories:

An Immediate Health Hazard

SARA 313 : This product contains no substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date herof, AKZO Coatings Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will AKZO Coatings Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.