

PRODUCT IDENTIFIER – Newell Medium Oil Alkyd 32TT70  
DATE & VERSION – 28 JUN 2024 VERSION 01

**SAFETY DATA SHEET (SDS)**

**Newell Medium Oil Alkyd 32TT70**

**MSDS Preparation date 28/06/2024**

Section 1. Identification	
Product identifier	Newell Medium Oil Alkyd 32TT70
Other means of identification	Vegetable oil / Vegetable oil fatty acids modified. Traffic Alkyds
Recommended use and restrictions on use	For laboratory and Industrial use only
Initial supplier identifier	7743, Ohio River Boulevard, New Cumberland, WV 26047, USA Tel: 304-707-3520/ Fax: 304 387 3249
Emergency telephone number/restriction on use	Canada – CANUTEC 24-hour# 304 387 3554 CHEMTREC: 1-800-424-900
Section 2. Hazards Identification	
<p><b>EMERGENCY OVERVIEW:</b> Flammable liquid and vapor. Avoid eye contact with vapor, spray, or mist. Avoid skin contact. Avoid breathing vapors. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Harmful if swallowed. Also harmful by inhalation and in contact with skin.</p> <p><b>GHS Classification</b> Flammable liquids: Category 2 Acute toxicity (Inhalation): Category 4 Specific target organ toxicity - single exposure : Category 3 (Respiratory system, Central nervous system).</p> <p><b>GHS label elements</b></p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p><b>Signal Word</b> Danger</p> <p><b>GHS HAZARD STATEMENTS</b> H225-Highly flammable liquid and vapor. Hazard statements: H225 Highly flammable liquid and vapour.</p>	

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H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
Precautionary statements: Prevention.  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/ fume /gas/ mist/ vapors/ spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ eye protection/ face protection.  
Response:  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call the POISON CENTER/doctor if you feel unwell.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
Precautionary Statements (Storage):  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P233 Keep container tightly closed.  
P405 Store locked up.  
Precautionary Statements (Disposal):  
P501 Dispose of contents and container to hazardous or special waste collection point.

### 3. Composition/Information on Ingredients

Component	Common name	Cas No	Weight %	Status
Alkyd Resin	Vegetable oil medium alkyd	Proprietary	69-71	Not Hazardous
Tertiary Butyl acetate	Tertiary Butyl acetate (VOC regulated solvent)	540-88-5	28-29	Hazardous
Toluene	Aromatic Hydrocarbon	108-88-3 >9	1.5	Hazardous

This material is Hazardous by definition: Hazard Communication Standard (29CFR 1910.1200).

### 4. First-aid measures

**General Advice:** If symptoms persist, call a physician.  
**EYES:** Flush eyes thoroughly with water for 15 minutes. Consult physician if irritation persists.  
**SKIN:** Remove contaminated clothing and shoes. Wash affected area with soap and water. Do not reuse contaminated clothing without laundering. Consult physician if irritation persists.  
**INGESTION:** Do not induce vomiting. Consult physician immediately.

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**INHALATION:** Remove victims from fresh air. Get medical assistance immediately. May cause chemical pneumonia if aspirated. Administer oxygen if there is difficulty breathing. Administer artificial respiration if not breathing.

**NOTE TO PHYSICIANS:**

Do not induce vomiting. Because rapid absorption may occur through the lungs if aspirated, the decision of whether to induce vomiting should be made by a physician. If lavage is performed, suggest endotracheal and/or Esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Remove contaminated clothing and wash affected areas with soap and water. treat burns as thermal burns. Treatment based upon judgement of the physician in response to the reactions of the patient.

**Section 5. Fire Fighting measures**

**Flammable properties:**

**Flash Point:**

**Class II Combustible Liquid:** °C/°F (12.77-55) Method SETC.

**Autoignition Temperature:** °C/°F (320-608).

Containers of this material may build up pressure if exposed to heat (fire). See firefighting measures below.

**FLAMMABLE LIMITS:**

Lower Flammable limit: 6.0%.

Upper Flammable limit: 1.2%.

Hot vapors are heavier than air and very flammable. Vapors may travel considerable distances to ignition sources and cause flash fires or explosions.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon dioxide, carbon monoxide, and other toxic fumes of incomplete combustion. During a fire, smoke may contain mists of the original material.

**EXTINGUISHING MEDIA:** Carbon dioxide, foam or dry chemical. Water fog or fine spray; water may be ineffective. General purpose synthetic foams or protein foams are preferred.

**FIRE FIGHTING INSTRUCTIONS:** Releases flammable vapors below normal ambient temperatures. Use water spray to cool fire exposed containers, protect personnel, and disperse vapors and spills. Drive and collect water due to potential environmental damage and spread of fire with product carried across water surface. Use self-contained breathing apparatus and fight fire from safe distance due to explosion potential.

**UNUSUAL HEALTH HAZARDS ASSOCIATED WITH FIRE:** Closed containers of alkyd resin may build up explosive pressures when exposed to the heat of fires. Cool exposed containers with water spray.

**Section 6. Accidental Release Measures**

**Combustible Liquid:** Release causes immediate fire/explosion hazard.

**SMALL SPILL:** Absorb spill with an inert material (dry sand) and place in chemical waste container for disposal (see section 13). Do not use reactive absorbents.

**LARGE SPILL:** (on land): Remove all sparking devices and ignition sources. Contain spilled liquid with dikes of earth. Pump water into the diked area and collect product from the top of water. Dispose of hydrocarbon laden water accordingly. Use oil spill collection pads and booms to contain runoff and seepage from diked areas.

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**SPILLS INTO WATERWAYS:** Contain spill with oil booms and recover product by vacuum truck or oil collection pads.

#### Section 7. Handling and Storage

**HANDLING:** Avoid contact with the eyes. Avoid prolonged or repeated contact with skin. Keep containers tightly closed and use in well-ventilated areas. Avoid prolonged or repeated breathing of vapors. Use grounding and bonding connections when transferring material to prevent static discharge, fire or explosion. Use spark proof tools and explosion proof equipment.

Empty containers may contain vapor. Do not cut, drill, grind or weld on containers unless flushed clear of all products.

**STORAGE:** Keep containers closed when not in use. Store in a cool, well-ventilated area away from incompatible materials.

#### Section 8. Exposure Controls/ Personal Protection

##### ENGINEERING CONTROLS:

Ventilation:

Ensure adequate ventilation, especially in confined areas where TBA is used or stored.

Use local exhaust ventilation systems to maintain vapor exposures below recommended limits

##### PERSONAL PROTECTIVE EQUIPMENT:

Electrical and lighting equipment

Use explosion-proof electrical, ventilating, and lighting equipment to prevent ignition sources.

Keep away from open flames, hot surfaces, and other potential sources of ignition

Emergency Equipment:

Locate eyewash stations and safety showers close to the workstation where TBA is handled.

Be prepared for any accidental exposure or spillage<sup>1</sup>.

Remember to consult the specific Safety Data Sheet (SDS) for TBA provided by the manufacturer or supplier for detailed information on handling, storage, and emergency procedures

##### EYE/FACE PROTECTION:

Use chemical goggles. If vapor exposure causes eye discomfort, use a full-face respirator.

##### SKIN PROTECTION:

Wear clean, long-sleeved, body-covered clothing.

Use gloves impervious to this material.

When prolonged or frequently repeated contact occurs, protective clothing impervious to this material must be worn.

##### RESPIRATORY PROTECTION:

Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure.

**HAND PROTECTION:** Nitrile or fluorinated gloves.

**EYE PROTECTION:** Safety Glasses for eye protection.

##### EXPOSURE GUIDELINE(S):

Obtain special instructions before use.

Handle with care, personal protective equipment (PPE).

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Wash face, hands, and exposed skin thoroughly after handling.  
Avoid breathing dust, fumes, gases, mists, or vapors.  
Use outdoors or in a well-ventilated area.  
Keep away from heat, sparks, open flames, and hot surfaces  
-OSHA Permissible Exposure Limit (PEL):150 ppm (TWA) - ACGIH Threshold Limit Value (TLV)150 ppm (TWA), 200 ppm (STEL)  
No specific exposure limits are provided. However, general ventilation is recommended to maintain vapor exposures below recommended limit.  
A “Skin” notation following the exposure guideline refers to the potential for dermal absorption of the material. It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposures should be considered.

**Section 9. Physical and chemical properties**

PROPERTIES	SPECIFICATIONS
Appearance	Amber Yellow liquid
Odor	Mild Petroleum
Odor Threshold	Not available
Color (Gardner scale) Max	9
Non-volatiles (Solids) %	50+/-1
Non-volatiles (Volume) %	40.5+/-1
Viscosity Stokes °C/°F (25-77)	27.3-46.2
Solvent	t-butyl acetate/toluene (95/5) (VOC exempted)
Flash Point (SETA) °C/°F	(12.77-55)
Weight per Gallon °C/°F (25-77)	8.0 +/-0.5
Solubility	Insoluble
VOC content grams/l (product as Supplied)	455

**Section 10. Stability and Reactivity**

**Chemical Stability:**  
Stable at normal temperatures and storage conditions.  
**Conditions to Avoid:**  
Keep away from open flames, hot surfaces and sources of ignition, contamination.  
**Incompatibility:**  
Avoid contact with strong oxidizing agents, Acids, Strong bases.  
**Hazardous Decomposition Products:**  
Thermal decomposition may form carbon monoxide, carbons dioxide and various hydrocarbons.  
**Hazardous Polymerization:**  
Will not occur.  
**Hazardous Reactions:**  
None under normal processing.

**Section 11. Toxicological Information**

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<b>Acute toxicity:</b>						
Component	LD50 Oral	LD50 Dermal	LC50 Inhalation			
Tert-Butyl Acetate	LD50 = 4100 mg/kg ( Rat)	LD50 > 2000 mg/kg (Rabbit)	LC50 > 9482 mg/m <sup>3</sup> ( Rat ) 4 h			
<b>Toxicologically Synergistic Products:</b> No information available						
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>						
<b>Irritation:</b> No information available						
<b>Sensitization:</b> No information available						
<b>Carcinogenicity</b> The table below indicates whether each agency has listed any ingredient as a carcinogen.						
Component	Cas No	IARC	NTP	ACGIH	OSHA	Mexico
Tert-Butyl acetate	540-88-5	Not listed	Not listed	Not listed	Not listed	Not listed
Toluene	108-88-3	Not listed	Not listed	Not listed	Not listed	Not listed
<b>Mutagenic Effects:</b> No information available						
<b>Reproductive Effects:</b> Experiments have shown reproductive toxicity effects on laboratory animals.						
<b>Developmental Effects:</b> Developmental effects have occurred in experimental animals.						
<b>Teratogenicity:</b> Possible risk of harm to the unborn child.						
<b>STOT - single exposure:</b> Respiratory system Central nervous system (CNS).						
<b>STOT - repeated exposure:</b> Kidney Liver spleen Blood Neurological effects Eyes Ear.						
<b>Aspiration hazard</b> No information available.						
<b>Symptoms / effects, both acute and delayed:</b> Causes central nervous system depression: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.						
<b>Endocrine Disruptor Information</b> No information available						
<b>Other Adverse Effects:</b> The toxicological properties have not been fully investigated.						
<b>Section 12. Ecological information</b>						
<b>Ecotoxicity:</b>						
This product contains the following substance(s) which are hazardous for the environment.						
Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea		
Tert-Butyl acetate	Not listed	LC50: 296 - 362 mg/L, 96h flow-through (Pimephales)	EC50 = 11.1 mg/L 30 min EC50 = 6.38 mg/L 5 min	Not listed		
Toluene	EC50: = 12.5 mg/L, 72h static (Pseudokirchneriella subcapitata) EC50: > 433 mg/L, 96h (Pseudokirchneriella subcapitata)	50-70 mg/L LC50 96 h 5-7 mg/L LC50 96 h 15-19 mg/L LC50 96 h 28 mg/L LC50 96 h 12 mg/L LC50 96 h	EC50 = 19.7 mg/L 30 min	EC50: = 11.5 mg/L, 48h (Daphnia magna) EC50: 5.46 - 9.83 mg/L, 48h Static (Daphnia magna)		
<b>Persistence and Degradability:</b> Persistence is unlikely.						

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<b>Bioaccumulation/ Accumulation:</b> No information available.	
<b>Mobility:</b> Is not likely mobile in the environment due its low water solubility.	
<b>Component</b>	<b>Log Pow</b>
Tert-Butyl acetate	1.38
Toluene	2.7
<b>Section 13. Disposal Information</b>	
<b>Waste Disposal Method:</b> Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.	
<b>Section 14. Transport Information</b>	
<b>Land Transport ADR (cross-border):</b>	
<b>ADR/GGVS:</b>	3
<b>UN-Number:</b>	1866
<b>Packaging Group:</b>	III
<b>Label:</b>	3
<b>Description of Goods:</b>	1866 Resin Solution, flammable
<b>ADR:</b>	Special provision 640E
<b>Sea Transport (IMO)</b>	
<b>Proper Shipping Name:</b>	Resin solution
<b>IMDG Class:</b>	3
<b>UN Number:</b>	UN1866
<b>Packing Group:</b>	III
<b>Transport label required:</b>	Flammable liquid
<b>RID/GGVE:</b>	See ADR
<b>Maritime Transport IMDG:</b>	
<b>IMDG Class:</b>	3
<b>UN-Number:</b>	1866
<b>Packaging Group:</b>	III
<b>EMS Number:</b>	F-E, S-E
<b>Marine Pollutant:</b>	
<b>Packed (+/0):</b>	0
<b>Proper Shipping name:</b>	1866 Resin Solution, flammable
<b>Air Transport ICAO-TI IATA-DGR:</b>	
<b>ICAO/IATA Class:</b>	3
<b>UN/ID Number:</b>	1866
<b>Label:</b>	3

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<b>Packaging Group:</b>	III
<b>Proper shipping name:</b>	1866 Resin Solution, flammable
<b>Additional Information:</b>	
<b>Dispatch by post:</b>	Not permitted
<b>In receptacles &lt; 450 liters: Carriage in accordance with 2.2.3.1.5 (ADR/RID)</b>	
<b>Section 15. Regulatory information</b>	
<b>International Inventories:</b>	
<b>TSCA Inventory Status:</b> All components of this material are listed on or are exempt from the US Toxic Substances Control Act (TSCA) inventory.	
<b>Canadian Inventory Status:</b> All components of this material are listed on the Canadian Domestic Substances List (DSL).	
<b>Australian Inventory Status:</b> This product contains one or more chemicals currently not on the Australian Inventory of Chemical Substances.	
<b>Korean Inventory Status:</b> This product contains one or more chemicals currently not on the Korean Chemical Substances List.	
<b>Philippine Inventory:</b> This product contains one or more chemicals currently not on the Philippine Inventory of Chemicals and Chemical Substances.	
<b>Japan ENCS:</b> This product contains one or more chemicals currently not on the Japanese Inventory of Existing and New Chemical Substances.	
<b>Chinese IECS:</b> This product contains one or more chemicals currently not on the Chinese Inventory of Existing Chemical Substances.	
<b>New Zealand Inventory:</b> This product contains one or more chemicals currently not on the New Zealand Inventory of Chemicals.	
<b>US Federal Regulations:</b>	
<b>TSCA 12(b) - Export Notification:</b> This material does not contain any components that are subject to the US Toxic Substances Control Act (TSCA) Section 12(b) Export Notification requirements.	
<b>SARA 313:</b> Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:	
<b>California Proposition 65:</b> <b>WARNING:</b> Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . Canada. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.	
<b>Section 16. Other information</b>	
<b>Other Information:</b>	
<b>RISK PHRASES:</b>	
<b>R10</b>	Flammable.
<b>R20/21</b>	Harmful by inhalation & in contact with skin.

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<b>R38</b>	Irritating to skin
<b>R65</b>	Harmful; may cause lung damage if swallowed.
<b>SAFETY PHRASES:</b>	
<b>S24/25</b>	Avoid contact with skin and eyes.
<b>S26</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>S37</b>	Wear suitable gloves.
<b>S51</b>	Use only in well ventilated areas.

**Disclaimer:**

Information provided in this Safety Data Sheet is correct to the best knowledge and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.