

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY
Product Identifier

Product Name: **Avasol NR₃**
 Chemical Family: Proprietary Complex Mixture
 CAS Number: N/Ap

Relevant Identified Uses

Product Intended Uses: Rubber Remover

Supplier Details

Name & Address: Chinook Chemical Corp.
 Woodgate I, Suite 205
 1121 E Southeast Loop 323 | Tyler, TX 75703

Emergency Telephone: 1-833-231-0972 (M-F, 8am-5pm MST) English
 Information: 1-833-537-6662

SDS Contact: HSE@10FOLDGroupInc.com

SECTION 2: HAZARD IDENTIFICATION
Substance/Mixture Classification

Hazard Classification: Flammable Liquid (Category 4) Aspiration Hazard
 (Category 1) Skin Irritation (Category 1C) Serious Eye
 Damage (Category 1) STOT (Respiration/CNS)-Single
 Exposure (Category 3) Acute (Oral) Toxicity (Category
 4) Acute (Dermal) Toxicity (Category 4) Acute
 (Inhalation) Toxicity (Category 4)

Label Elements Hazard

Pictogram(s):



Signal Word: DANGER

Hazard Statement(s):
 H227: Combustible liquid.
 H302+H312+H332: Harmful if swallowed, or in contact with skin
 or inhaled.
 H304: May be fatal if swallowed or enters airways.
 H314: Causes severe skin burns and eye damage.
 H318: Causes serious eye damage.
 H335: May cause respiratory irritation.
 H336: May cause drowsiness or dizziness.

Precautionary Statement(s)

Prevention: P210: Keep away from heat, hot surfaces, sparks, open flames
 and other ignition sources. No smoking.

Response:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P264+P265: Wash thoroughly after handling. Do not touch eyes.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P316: IF SWALLOWED: Get emergency medical help immediately.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P302+P361+P354: IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water for several minutes.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P354+P338: IF IN EYES: Rinse eyes with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P319: Get medical help if you feel unwell.
 P321: Specific treatment (see First Aid Instructions on this label).
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P370+P378: In case of fire: use water, fog, foam or dry chemical to extinguish.

Storage:

P403+P233: Store in a well-ventilated place.
 P405: Store locked up.

Disposal:

P501: Dispose of contents/container in an approved waste disposal plant.

Other Hazards

Other Hazard Classification: None

SECTION 3 : COMPOSITION/INGREDIENT INFORMATION
Substances

Ingredient Name	CAS #	% W/W
Alkaline Hydroxide	Proprietary*	0.1 – 1
Mineral salt of organic acid	Proprietary*	1 – 3
Substituted aromatic alcohol	Proprietary*	3 – 5
Hydrotreated paraffinic solvent	Proprietary*	10 – 30
N-linear alcohol	Proprietary*	3 – 5
Alkylarylsulfonate (Salt)	Proprietary*	5 – 10
Linear alkylamine	Proprietary*	3 – 5
Branched ethoxylated alcohol	Proprietary*	5 – 10

* HMIRA Registry Number: 03344125 - Filing Date 2019-10-02

SECTION 4: FIRST-AID MEASURES**Description of First Aid Measures**

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Remove contact lenses if present and easy to do. Continue flushing. Get medical attention. Clean shoes thoroughly before reuse.
Skin Contact:	Flush with plenty of water using safety shower if available. Obtain medical attention if irritation develops. Remove contaminated clothing, and wash separately before reuse.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion:	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most Important Symptoms & Effects (Acute and Delayed)

Eye Contact:	
Skin Contact:	The most important known symptoms and effects are described in the labelling, (section 2.2) and/or Section 11.
Inhalation:	
Ingestion:	

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing Media**

Suitable Media:	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable Media:	Do not use water jet.

Special Hazards from Substance/Mixture

Hazards from substance: Combustible liquid. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Advice for Firefighters

Special Protective Actions: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special Protective Equipment: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures**

Non-emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental Precautions

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and Materials of Containment and Cleanup

Large & Small Spills: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

SECTION 7: HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Precautions for Safe Handling

Protective Measures:

Put on appropriate personal protective equipment. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

General Occupational Hygiene Advice:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for Safe Storage and Incompatibilities
Safe Storage:

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Incompatibilities:

Ignition sources, oxidizing agents.

Specific End Use(s)
Recommendations:

Rubber remover.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

Control Parameters
Occupational Exposure Limits:

Linear alkylamine	ACGIH TWA (8-hour): 3 ppm (7.5 mg/m ³) STEL (15-minute): 6 ppm (15 mg/m ³)
N-linear alcohol	ACGIH: STEL (15-min): 20 ppm
Hydrotreated paraffinic solvent	ACGIH TLV (United States, 3/2017). Absorbed through skin. TWA: 200 mg/m ³ , (as total hydrocarbon vapor) 8 hours
Branched ethoxylated alcohol	ACGIH TWA (8 -hour) 10 ppm (10 mg/ m ³)

Exposure Controls

Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Emergency shower and eyewash stations should be readily accessible in the work

Individual Protection Measures area.

Eye/Face Protection: Wear tight fitting safety glasses or chemical splash goggles.

Skin Protection

Protective Handwear: Chemical-resistant, impervious gloves complying with an approved standard should be always worn when handling the product.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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Information on Basic Physical and Chemical Properties
Appearance

Physical State:	Liquid
Color:	Clear amber
Odor:	Peach
Odor Threshold:	N/Av
pH Factor:	11.29
Freezing Point:	0 °C
Boiling Point (°C):	N/Av
Flash Point:	61 °C
Evaporation Rate:	N/Av
Flammability:	N/Av
Explosive Limits:	N/Av

Vapor Pressure: N/Av
 Vapor Density (air = 1): N/Av
 Relative Density: N/Av
 Density: 0.967
 Solubility(ies): N/Av
 Partition Coefficient: N/Av
 Autoignition Temperature: N/Av
 Decomposition Temp.: N/Av
 Viscosity: N/Av
 Explosive Properties: N/Av
 Oxidizing Properties: N/Av

Other Information

Solubility in Water: N/Av
 Pour Point: N/Av

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.
Conditions to Avoid: Heat, flames and sparks.
Incompatible Materials: Strong oxidizing and reducing agents.
Hazardous Decomposition Product(s): Oxides of nitrogen and carbon.

SECTION 11: TOXICOLOGICAL INFORMATION
Toxicological Effects Information
Acute Toxicity

Acute Inhalation Toxicity: Alkylarylsulfonate (Salt): Ld50 (Oral, Rat): 1219 mg/kg
 Acute Inhalation Toxicity: Linear alkylamine: $\geq 2.46 \leq 2.83$ mL/kg bw
 Acute Dermal Toxicity: Linear alkylamine: > 1.3 mg/L air/6 h

Irritation/Corrosion

Skin: May cause severe skin burn/ irritation.
 Eyes: May cause serious eye damage.

Mutagenicity

Conclusion/Summary: No data available.

Carcinogenicity

Conclusion/Summary: No data available.

Reproductive Toxicity

Conclusion/Summary: No data available.

Teratogenicity

Conclusion/Summary: No data available.

Specific Target Organ Toxicity – Single Exposure

Conclusion/Summary: May cause respiratory irritation and drowsiness or dizziness.

Specific Target Organ Toxicity – Repeated Exposure

Conclusion/Summary:	No data available.
<u>Aspiration Hazard</u>	
Conclusion/Summary:	Aspiration hazard category 1.
Likely Routes of Exposure:	Routes of entry anticipated: Oral, Dermal, Inhalation.
Skin Contact:	Defatting to the skin. May cause skin dryness and irritation.
Ingestion:	May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION
Ecotoxicity:

Alkylarylsulfonate (Salt: Cyprinus carpio LC₅₀ 5.6 mg/l- 96 h
 Hydrotreated petroleum distillates: Algae- Acute EC₅₀ >1000 mg/l
 72 h
 Hydrotreated petroleum distillates: Daphnia- Acute LC₅₀ >1000
 mg/l

Persistence & Degradability:

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

PBT and vPvB Assessment: No data available.

Other Adverse Effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Waste Treatment
Product

Disposal Methods: Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14: TRANSPORT INFORMATION

ADR	UN 1760, Corrosive Liquid, N.O.S. (Contains Organic Acid), Class 8, PG II
DOT	UN 1760, Corrosive Liquid, N.O.S. (Contains Organic Acid), Class 8, PG II
TDG	UN 1760, Corrosive Liquid, N.O.S. (Contains Organic Acid), Class 8, PG II
ICAO/IATA	UN 1760, Corrosive Liquid, N.O.S. (Contains Organic Acid), Class 8, PG II
IMO/IMDG	UN 1760, Corrosive Liquid, N.O.S. (Contains Organic Acid), Class 8, PG II

Special User Precautions:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Bulk Transportation:	<i>Transportation in bulk accordance to Annex II of Marpol 73/78 and IBC Code.</i>

SECTION 15: REGULATORY INFORMATION**Safety, Health & Environmental Regulations/Legislation****US Federal Regulations****OSHA**

US TSCA SARA
TITLE III.

Sec. 302:

Sec. 313:

Sec. 311 and 312.

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.

This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (HazCom 2012).

All components are listed or exempted.

40 CFR 355 No extremely hazardous substances are present in this material.

40 CFR 372 This substance contains no materials subject to the reporting requirements of SARA (III) Section 313.

40 CFR 370. SDS Requirements.

Hazardous Classes: acute health hazards, no chronic health hazards, fire hazards, no sudden release of pressure hazards, and no reactive hazards. This material contains hazardous chemicals as defined by OSHA and may be subject to Tier II reporting if stored in quantities exceeding applicable thresholds (typically 10,000 lbs for hazardous substances, or 500 lbs/TPQ for extremely hazardous substances).

**US State Right to Know
Law:****Proposition 65 California Safe Drinking Water and Toxic
Enforcement Act of 1986:**

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels under which would be subject to the proposition.

International Information

Canada:

Australia

Europe

Components listed appear on the Domestic Substance List (DSL).

Components listed on inventory or exempted.

Components listed on inventory or exempted.

Japan	Japan inventory (ENCS): Listed or exempted. Japan inventory (ISHL): Not determined.
Malaysia	Components listed on inventory or exempted.
New Zealand	Components listed on inventory or exempted.
Philippines	Components listed on inventory or exempted.
Republic of Korea	Components listed on inventory or exempted.
Taiwan	Components listed on inventory or exempted.

SECTION 16: OTHER INFORMATION

Date of Issue/Revision: May 15, 2025
Replaces: April 9, 2025
Prepared By: Chinook Chemical Corp.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

<< N/E = Not established N/AP = Not Applicable N/AV = Not Available C.O.C = Cleveland Open Cup >>