



# SAFETY DATA SHEET

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

## Alkyl Phenol Oxide 920 g/l

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HRB05108-972

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## 1. Identification

### Product identifier

## Alkyl Phenol Oxide 920 g/l

### Other means of identification

**Synonyms** Shatah 90  
**Formulation type** SL  
**Pure substance/mixture** Mixture

### Recommended use of the chemical and restrictions on use

**Recommended use** surfactant  
**Uses advised against** No information available

### Detailed information about the manufacturer, supplier, and/or importer

#### **Supplier**

ADAMA Makhteshim Ltd  
PO Box 60  
Beer Sheva 8410001 Israel

### Emergency telephone number

**Emergency Telephone** ADAMA Makhteshim: + 972 8 6560800/801 ; + 972 8 6296713/714  
ADAMA Agan : + 972 8 8515341

**E-mail address** SDS@ADAMA.COM

## 2. Hazard(s) identification

### Classification of the substance or mixture

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Dermal	Category 4 - (H312)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 2 - (H371)
Acute aquatic toxicity	Category 2 - (H401)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

**Label elements**

Signal word

Danger

**Hazard pictograms****Hazard statements**

H302 - Harmful if swallowed  
 H312 - Harmful in contact with skin  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H371 - May cause damage to organs  
 H411 - Toxic to aquatic life with long lasting effects  
 H225 - Highly flammable liquid and vapor

**Precautionary statements**

P102 - Keep out of reach of children  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
 No smoking  
 P243 - Take precautionary measures against static discharge  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P264 - Wash face, hands and any exposed skin thoroughly after handling  
 P270 - Do not eat, drink or smoke when using this product  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing  
 P308 + P316 - If exposed or concerned: Get emergency medical help immediately  
 P405 - Store locked up  
 P501 - Dispose of contents/ container to an approved waste disposal plant

**Other hazards**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**3. Composition/information on ingredients****Substance**

Not applicable

**Mixture****Synonyms**

Shatah 90

Chemical name	CAS No	Weight-%	EC No	INTERNATIONAL GHS CLASSIFICATION	M-Factor
Nonylphenol ethoxylate	127087-87-0	58-66	500-315-8	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)	
4-Nonylphenol, branched, ethoxylated	127087-87-0	29-33		Acute Tox. 4 Oral (H302) Acute Tox. 4 Dermal (H312)	

				Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 2 (H411)	
Methanol	67-56-1	4-8	200-659-6	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	

Full text of H- and EUH-phrases: see section 16

#### 4. First-aid measures

##### Description of necessary first aid measures

<b>General advice</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider: Pay attention to self-protection.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Get medical attention immediately if symptoms occur.

##### For emergency responders

**Self-protection of the first aider** Use personal protective equipment as required.

##### Most important symptoms/effects, acute and delayed

**Symptoms** None known.

##### Indication of immediate medical attention and special treatment needed, if necessary

**Note to physicians** Treat symptomatically.

#### 5. Fire-fighting measures

##### Suitable Extinguishing Media

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

##### Specific hazards arising from the chemical

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Flammable properties** Highly flammable

**Specific/special fire-fighting measures**

**Specific/special fire-fighting measures** No information available.

**Special protective equipment and precautions for fire-fighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Environmental precautions**

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and material for containment and cleaning up**

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**7. Handling and storage****Preventive measures for safe handling**

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

**Precautions for safe handling**

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is

recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

### Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up.
<b>Incompatible materials</b>	Strong acids. Strong bases. Strong oxidizing agents.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure guidelines

Chemical name	ACGIH TLV
Methanol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*

### Appropriate engineering controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	Wear suitable gloves. Impervious gloves.
<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Skin and body protection</b>	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.
<b>Environmental exposure controls</b>	Local authorities should be advised if significant spillages cannot be contained.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
<b>Appearance</b>			
<b>Physical state</b>	: liquid		
<b>Color</b>	: clear transparent		
<b>Odor</b>	: characteristic		
<b>Odor threshold</b>	: No data available		
<b>pH</b>	: 5 - 6		solution (25°C; 1 %)

Melting point / freezing point °C : No data available  
Boiling point / boiling range °C : No data available  
Flash point °C : 22  
Evaporation rate : No data available  
Flammability (solid, gas) : Not applicable  
Upper/lower flammability or explosive limits : No data available  
Vapor pressure kPa : No data available  
Vapor density : No data available  
Relative density : 1.01  
Solubility(ies) mg/l : No data available  
Partition coefficient Log Pow :

See Section 12 for additional Ecological Information

Autoignition temperature °C : No data available  
Decomposition temperature °C : No data available  
Kinematic viscosity mm<sup>2</sup>/s 40 °C : Not applicable  
Explosive properties : Not an explosive  
Oxidizing properties : No data available  
Surface tension : No data available  
Particle Size : Not applicable

#### Other information

Bulk density g/ml : Not applicable

## 10. Stability and reactivity

### Reactivity

Reactivity No information available.

### Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

### Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### Conditions to avoid

Conditions to avoid Heat, flames and sparks.

### Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents.

### Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: 685			ATEmix
Dermal LD50 mg/kg	: 1765			ATEmix
Inhalation LC50 LC50	: > 6			ATEmix
Skin corrosion/irritation	: Irritating to skin			Calculated
Serious eye damage/eye irritation	: Irritating to eyes			Calculated
Sensitization	: -			

Chronic toxicity

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

STOT - Single Exposure

STOT - Repeated Exposure

Aspiration hazard

**12. Ecological information**Ecotoxicity**Aquatic toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Acute toxicity				
Fish 96-hour LC50 mg/l	: No data available			
Crustacea 48-hour EC50 mg/l	: No data available			
Algae 72-hour EC50 mg/l	: No data available			
Other plants EC50 mg/l	: No data available			

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Chronic aquatic toxicity				
Fish NOEC mg/l	: No data available			
Crustacea NOEC mg/l	: No data available			
Algae NOEC mg/l	: No data available			
Other plants NOEC mg/l	: No data available			

**Terrestrial Toxicity**

Birds Oral LD50 mg/kg

Bees Oral LD50 µg/bee

**Abiotic Degradation**

Water DT50 days

Soil DT50 days

**Biodegradation**

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Log Pow			

Bioconcentration factor (BCF)

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Adsorption/Desorption			

**13. Disposal considerations**Disposal methods

<b>Waste from residues/unused products</b>	Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**14. Transport information**ADR

<b>14.1 UN number</b>	UN1993
<b>14.2 UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (Methanol)
<b>14.3 Transport hazard class(es)</b>	3
<b>Labels</b>	3
<b>14.4 Packing group</b>	II
<b>Description</b>	UN1993, FLAMMABLE LIQUID, N.O.S. (Methanol), 3, II, (D/E), Environmentally Hazardous
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	274, 601, 640C
<b>Classification code</b>	F1
<b>Tunnel restriction code</b>	(D/E)

RID

<b>14.1 UN number</b>	UN1993
<b>14.2 UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (Methanol)
<b>14.3 Transport hazard class(es)</b>	3
<b>Labels</b>	3
<b>14.4 Packing group</b>	II
<b>Description</b>	UN1993, FLAMMABLE LIQUID, N.O.S. (Methanol), 3, II, Environmentally Hazardous
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	274, 601, 640D
<b>Classification code</b>	F1

IMDG

<b>14.1 UN number</b>	UN1993
<b>14.2 UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (Methanol)
<b>14.3 Hazard Class</b>	3
<b>14.4 Packing group</b>	II
<b>Description</b>	UN1993, FLAMMABLE LIQUID, N.O.S. (Methanol, Nonylphenol ethoxylate), 3, II, (22°C C.C.), Marine pollutant
<b>14.5 Marine pollutant</b>	P
<b>Environmental hazard</b>	Yes
<b>14.6 Special Precautions for Users</b>	
<b>Special Provisions</b>	274
<b>EmS-No</b>	F-E, S-E
<b>IMDG Stowage and segregation</b>	Category B
<b>14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	No information available

IATA

<b>14.1 UN number</b>	UN1993
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14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Methanol)
14.3 Transport hazard class(es)	3
14.4 Packing group	II
Description	UN1993, FLAMMABLE LIQUID, N.O.S. (Methanol), 3, II
14.5 Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	A3
ERG Code	3H



## 15. Regulatory information

### Safety, health and environmental regulations specific for the product in question

## 16. Other information

### Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapor  
H301 - Toxic if swallowed  
H302 - Harmful if swallowed  
H311 - Toxic in contact with skin  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H331 - Toxic if inhaled  
H370 - Causes damage to organs  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects  
H413 - May cause long lasting harmful effects to aquatic life

**Date of preparation of the SDS** No data available

**Revision date** 28-Dec-2023

**Revision Note** Changes made to the last version are labeled with this sign \*\*\*.

### Key or legend to abbreviations and acronyms used in the safety data sheet

IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

### Abbreviations and acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CAS Number - Chemical Abstracts Service number  
EC Number - EINECS and ELINCS Number  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
OECD - Organization for Economic Co-operation and Development  
PBT - Persistent, Bioaccumulative and Toxic substance  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
STOT - Specific Target Organ Toxicity  
vPvB - Very Persistent and Very Bioaccumulative

### **The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)**

#### **Classification of the mixture**

H302 - Harmful if swallowed  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H371 - May cause damage to organs  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects  
H225 - Highly flammable liquid and vapor

#### **Classification procedure**

Classification based on Calculation method  
Classification based on Calculation method

#### **Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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 any other materials or in any process, unless specified in the text**

**End of Safety Data Sheet**