

1. Identification

Product identifier	SAE 0W-20, 5W-20, 5W-30, and 10W-30 Synthetic Blend Motor Oil; SAE 5W-20 and 5W-30 Full Synthetic Motor Oil; SAE 10W-40, 20W-50 Premium Motor Oil
Other means of identification	
FIR No.	186234
Recommended use	Gasoline engine service fill motor oil
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Company Name	Ford Motor Company
Address	Attention: MSDS Information, P.O. Box 1899 Dearborn, Michigan 48121 USA
Telephone	1-800-392-3673
SDS Information	1-800-448-2063 (USA and Canada) fordsds.com
Emergency telephone numbers	Poison Control Center: USA and Canada: 1-800-959-3673 INFOTRAC (Transportation): USA and Canada 1-800-535-5053

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	May irritate eyes and skin. May cause irritation of respiratory tract.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures
The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.
6. Accidental release measures	
Personal precautions, protective equipment and emergency procedures	Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors or mists. Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	<p>The product is immiscible with water and will spread on the water surface.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapor. Observe good industrial hygiene practices. For personal protection, see section 8 of the SDS.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
8. Exposure controls/personal protection	
Occupational exposure limits	Not applicable.
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust and/or mist, use process enclosure, appropriate local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/guidelines.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Suitable chemical protective gloves should be worn when the potential exists for skin exposure. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Nitrile gloves are recommended.
Other	Wear appropriate chemical resistant clothing if applicable.

Respiratory protection	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Color	Amber.
Odor	Aliphatic.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	365.0 °F (185.0 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	< 0.1 kPa @ 20° C
Vapor density	> 1 (AIR=1)
Relative density	0.87 - 0.88
Relative density temperature	60.08 °F (15.6 °C)
Solubility(ies)	
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	100 - 163 cSt
Viscosity temperature	104 °F (40 °C)

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Inhalation of vapors/fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing or difficulty breathing. Prolonged inhalation may be harmful.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.
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Information on toxicological effects

Acute toxicity	Not expected to be hazardous by OSHA criteria.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Continuous long term contact with used motor oil has caused skin cancer in animal tests. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Don't pollute. Conserve resources. Return used oil to collection centers.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

16. Other information, including date of preparation or last revision

Issue date 05-11-2017

Version 01

HMIS® ratings Health: 0
Flammability: 1
Physical hazard: 0

NFPA ratings Health: 0
Flammability: 1
Instability: 0

**Preparation Information and
Disclaimer**

This document was prepared by FCSD-Toxicology, Ford Motor Company, Fairlane Business Park IV, 17225 Federal Drive, Allen Park, MI 48101, USA, based in part on information provided by the manufacturer. The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user. To the extent that there are any differences between this product's Safety Data Sheet (SDS) and the consumer packaged product labels, the SDS should be followed.

Part number(s)

XO-0W20-5Q3SP, XO-0W20-BSP, XO-0W20-DSP, XO-0W20-DSPR, XO-0W20-QSP,
XO-10W30-5QSP, XO-10W30-BSP, XO-10W30-DSP, XO-10W30-DSP1, XO-10W30-DSPR,
XO-10W30-QSP, XO-10W30-QSP1, XO-10W30-QSPW, XO-10W40-QP, XO-20W50-4LP1,
XO-20W50-LP1, XO-5W20-5Q3SP, XO-5W20-6GFS, XO-5W20-6GSP, XO-5W20-BFS,
XO-5W20-BSP, XO-5W20-DFS, XO-5W20-DFSR, XO-5W20-DSP, XO-5W20-DSP1,
XO-5W20-DSPR, XO-5W20-QFS, XO-5W20-QFS1, XO-5W20-QSP, XO-5W20-QSP1,
XO-5W20-QSPW, XO-5W20-TBSP, XO-5W30-5Q3SP, XO-5W30-6GFS, XO-5W30-6GSP,
XO-5W30-BFS, XO-5W30-BSP, XO-5W30-DFS, XO-5W30-DSP, XO-5W30-DSP1,
XO-5W30-DSPR, XO-5W30-QFS, XO-5W30-QSP, XO-5W30-QSP1, XO-5W30-QSPW



Safety Data Sheet

The Armor All/STP Products Company

44 Old Ridgebury Road
Suite 300
Danbury, CT 06810
Tel. 1-203-205-2900

1. Product And Company Identification

Product Name: STP® Full Synthetic Motor Oil: 5W-20, 5W-30, 10W30

Responsible Party: The Armor All/STP Products Company
44 Old Ridgebury Road
Suite 300
Danbury, CT 06810

Information Phone Number: +1 203-205-2900

Emergency Phone Number:

For Medical Emergencies, call 1-866-949-6465 / +1 303-389-1332 (Outside US and Canada)
For Transportation Emergencies, call 1-800-424-9300 (Chemtrec) +1-703-527-3887 for
Outside US and Canada (call collect)

SDS Date Of Preparation: 11/20/14

Product Use: Automotive maintenance product – For consumer and professional use

2. Hazards Identification

Note: This product is a consumer product and is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will differ from the OSHA label elements.

GHS Classification:

Physical:	Health:
Not Hazardous	Not Hazardous

GHS Label Elements: None

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	30 - 70%
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	5 – 30%
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	5 - 15%

4. First Aid Measures

Inhalation: If symptoms of exposure develop, remove to fresh air. Get medical attention if symptoms appear and persist.

Skin Contact: Remove contaminated clothing and launder before reuse. Wash exposed skin with soap and water. If skin irritation or redness develops, get medical attention.

Eye Contact: Flush eyes with plenty of water. If irritation or other symptoms persist, seek medical attention.



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Ingestion: DO NOT induce vomiting. If the victim is fully conscious, have them drink a glass of water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

Most Important Symptoms: Direct eye contact may cause mild irritation. Inhalation of mists or vapors generated at elevated temperatures may cause respiratory irritation. Prolonged skin contact may cause dryness and defatting.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention should not be required.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Will burn under fire conditions. Closed containers may rupture if exposed to extreme heat. Burning may produce carbon monoxide and carbon dioxide, and hydrocarbons.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Caution – slip hazard. Eliminate all ignition sources and ventilate the area. Wear appropriate protective equipment.

Environmental Precautions: Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations. Notify the National Response Center if a spill of any amount enters navigable waters, the contiguous zone, or adjoining shorelines.

Methods for Containment and Clean-Up: Stop spill at the source if it is safe to do so. Absorb with an inert material. Collect into a suitable container for disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin and clothing. Avoid breathing vapors and mists. Wash exposed skin thoroughly with soap and water after use. Keep containers closed when not in use. Keep out of the reach of children.

Empty containers retain product residue and may be hazardous. Do not reuse empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area. Store away from oxidizing agents and other incompatible materials.



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8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Petroleum distillates, hydrotreated heavy paraffinic (as Mineral Oil)	5 mg/m3 inhalable TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as mist)
Petroleum distillates, hydrotreated light paraffinic (as Mineral Oil)	5 mg/m3 inhalable TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as mist)
Petroleum distillates, solvent dewaxed heavy paraffinic (as Mineral Oil)	5 mg/m3 inhalable TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as mist)

Engineering Controls: General ventilation should be adequate for all normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

Personal Protective Equipment

Respiratory Protection: None under normal use conditions. For operations where the TLV is exceeded, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Gloves: None normally required. Impervious gloves such as neoprene or nitrile are recommended if needed to avoid prolonged or repeated skin contact.

Eye Protection: None required for normal use. Avoid eye contact. Safety glasses or goggles are recommended if eye contact is possible.

Other Protective Equipment/Clothing: None required under normal use conditions.

9. Physical and Chemical Properties

Appearance And Odor: Amber liquid with a mild odor.

Physical State: Liquid	Odor Threshold: Not determined
pH: Not determined	Specific Gravity: 0.85
Initial Boiling Point/Range: Not determined	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: Not determined
Solubility In Water: Negligible (0-1%)	Percent Volatile: Nil
Viscosity: 47.67 – 63.85 cSt @ 40°C	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	VOC Content: Not determined
Flash Point: 428°F (220°C) COC	Autoignition Temp: Not determined
Decomposition Temperature: Not determined	Flammability Limits: LEL: Not determined UEL: Not determined
Flammability (solid, gas): Not applicable	



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10. Stability and Reactivity

Reactivity: Not normally reactive

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known

Conditions To Avoid: Keep away from excessive heat and open flames.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Burning may produce carbon monoxide, carbon dioxide, and hydrocarbons.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

Acute Hazards:

Inhalation: Inhalation of mists or vapors generated at elevated temperatures may cause upper respiratory tract irritation.

Skin Contact: Not a skin irritant. Prolonged or repeated contact may cause defatting and drying of the skin and dermatitis.

Eye Contact: Direct contact may cause slight eye irritation.

Ingestion: Swallowing may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Chronic Hazards: None currently known.

Carcinogenicity Listing: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Petroleum distillates, hydrotreated heavy paraffinic:

LD50 Oral Rat: >2,000 mg/kg; LD50 Skin Rabbit: >2000 mg/kg; LC50 Inhalation Rat 2.18 mg/L/ 4 hr.

Petroleum distillates, solvent dewaxed heavy paraffinic:

LD50 Oral Rat: >5000 mg/kg; LD50 Skin Rat >5000 mg/kg; LC50 Inhalation Rat >4.7 mg/L/ 4 hr.

12. Ecological Information

Ecotoxicity:

Petroleum distillates, hydrotreated heavy paraffinic:

LC50 Rainbow trout (*Oncorhynchus mykiss*): > 5,000 mg/L/ 96hr.

LC50 water flea (*Daphnia magna*): > 1,000 mg/L / 48hr.

Petroleum distillates, solvent dewaxed heavy paraffinic:

LC50 Rainbow trout (*Oncorhynchus mykiss*): > 5,000 mg/L/ 96hr.

LC50 water flea (*Daphnia magna*): > 1,000 mg/L / 48hr.

Persistence and Degradability:

Biodegrades slowly.



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Bio accumulative Potential:

Bioconcentration is not expected to occur.

Mobility in Soil:

This material is expected to have essentially no mobility in soil, and absorbs strongly to most soil types

Other Adverse Effects: No data available.

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

14. Transport Information

DOT Hazardous Materials Description: Not Regulated

Canadian TDG Hazardous Materials Description: Not Regulated

IMDG Dangerous Goods Description: Not Regulated

15. Regulatory Information

United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product has no RQ, however, oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not hazardous

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Canada:

Canadian WHMIS Classification: Not a controlled product.

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian DSL.

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.



® Safety Data Sheet

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16. Other Information

NFPA Rating (NFPA 704):	Health: 0	Fire: 1	Instability: 0
HMIS Rating:	Health: 0	Fire: 1	Physical Hazard: 0

REVISION SUMMARY: Update to GHS format. Changes to all sections.

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 17.11.2020 (GB) Version 1.3

SUPERTEC 5W-20

314xxx



! SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product

SUPERTEC 5W-20

Art-Nr 314xxx

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Product categories [PC]

PC24 - Lubricants, greases, release products

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

EUROLUB GmbH

Freisingerstraße 25-27, D-85386 Eching b. München

Phone +49 8165 9591-0, Fax +49 8165 9591-210

E-Mail info@eurolub.com

Internet www.eurolub.com

1.4. Emergency telephone number

Emergency advice

Phone +49 8165 9591-0

This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Special rules for supplemental label elements for certain mixtures

Safety data sheet available on request.

2.3. Other hazards

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64742-54-7	265-157-1	Distillates (petroleum), hydrotreated heavy paraffinic	50 - 80	Carc. 1B, H350

**Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)**

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Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
8042-47-5		mineral oil	1 - 10	Asp. Tox. 1, H304
36878-20-3	253-249-4	bis(nonylphenyl)amine	0,1 - 2,5	Aquatic Chronic 4, H413
	Polymer1	Calcium branched alkyl phenate sulphide (overbased)	0,1 - 2,5	Aquatic Chronic 4, H413

REACH

CAS No	Name	REACH registration number
36878-20-3	bis(nonylphenyl)amine	01-2119488911-28

Additional advice

The highly refined mineral oil contains a dimethyl sulfoxide (DMSO) according to IP 346 extractable content of less than 3 % (w/w).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the event of persistent symptoms receive medical treatment.

In case of inhalation

In case of inhalation remove the casualty into fresh air and seek medical advice.

In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

4.2. Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

No information available.

Physician's information / possible dangers

No data available

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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SUPERTEC 5W-20

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5.2. Special hazards arising from the substance or mixture

In fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

For emergency responders

Use personal protective clothing.

6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. oil binder).

After taking up the material dispose according to regulation.

Additional Information

Informations for disposal see chapter 13.

6.4. Reference to other sections

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

General protective measures

Avoid explosion - before application obtain special instructions.

Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Remove soaked clothing immediately.

Advice on protection against fire and explosion

The product is combustible.

7.2. Conditions for safe storage, including any incompatibilities

Advice on storage compatibility

No information available.

Safety Data Sheet according to Regulation (EC)

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Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Storage group 10

Fire class B

7.3. Specific end use(s)

Recommendation(s) for intended use

See section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL-/PNEC-values

DNEL worker

CAS No	Substance name	Value	Code	Remark
36878-20-3	bis(nonylphenyl)amine	0,62 mg/kg	DNEL long-term dermal (systemic)	
		4,37 mg/m3	DNEL long-term inhalative (systemic)	

DNEL Consumer

CAS No	Substance name	Value	Code	Remark
36878-20-3	bis(nonylphenyl)amine	0,31 mg/kg	DNEL long-term dermal (systemic)	
		0,31 mg/kg	DNEL long-term oral (repeated)	
		1,09 mg/m3	DNEL long-term inhalative (systemic)	

PNEC

CAS No	Substance name	Value	Code	Remark
36878-20-3	bis(nonylphenyl)amine	0,01 mg/l	PNEC aquatic, marine water	
		263000 mg/kg	PNEC soil	
		0,1 mg/l	PNEC aquatic, freshwater	

8.2. Exposure controls

Respiratory protection

no

Hand protection

Gloves (oil-resistant)

Eye protection

safety goggles with side protection

Other protection measures

Oil-resistant protective clothing

Limitation and surveillance of the environment

Further information: see exposure scenarios attached to this safety data sheet.

Appropriate engineering controls

No information available.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

liquid

Colour

brown

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
Boiling temperature / boiling range	not determined				
stock point	-38 °C				
Flash point	232 °C			ASTM D 93	
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	0,851 g/cm3	15 °C		DIN 51757	
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity kinematic	45,4 mm2/s	40 °C		DIN 51562	
Viscosity kinematic	8,4 mm2/s	100 °C		DIN 51562	

Oxidising properties

No information available.

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Explosive properties

No information available.

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Reactions with oxidising agents.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Substances to avoid

No information available.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 5000 mg/kg	rat	OECD 420	
LD50 acute dermal	> 2000 mg/kg	rabbit	OECD 402	
LC50 acute inhalation	> 5,53 mg/l (4 h)	rat	OECD 403	
Skin irritation		not determined		
Eye irritation		not determined		
Skin sensitization		not determined		
Sensitization respiratory system		not determined		

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity	not determined			
Subchronic Toxicity	not determined			

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	Value	Species	Method	Validation
Chronic Toxicity	not determined			
Mutagenicity	not determined			
Reproduction-Toxicity	not determined			
Carcinogenicity	not determined			
Specific target organ toxicity (single exposure)	not determined			
Specific target organ toxicity (repeated exposure)	not determined			
Aspiration hazard	not determined			

SECTION 12: Ecological information**12.1. Toxicity****Ecotoxicological effects**

	Value	Species	Method	Validation
Fish	LC50 > 100 mg/l			
Daphnia	EC50 > 10000 mg/l			
Algae	EC50 > 100 mg/l (72 h)			

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability			No information available.	
Biological degradability			No information available.	

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

13 02 05*

Name of waste

mineral-based non-chlorinated engine, gear and lubricating oils

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name		-	-
14.3. Transport hazard class(es)		-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No dangerous goods as defined by these transport regulations.

Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC standard

VOC content =0 %

VOC value 0 g/L

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National regulations

Water hazard class 1 self-classification

Decree for case of interference/ remarks Accident decree, addendum II: not named.

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.2

H304 May be fatal if swallowed and enters airways.

H350 May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H413 May cause long lasting harmful effects to aquatic life.



Safety Data Sheet

The Armor All/STP Products Company

44 Old Ridgebury Road
Suite 300
Danbury, CT 06810
Tel. 1-203-205-2900

1. Product And Company Identification

Product Name: STP® Full Synthetic Motor Oil: 5W-20, 5W-30, 10W30

Responsible Party: The Armor All/STP Products Company
44 Old Ridgebury Road
Suite 300
Danbury, CT 06810

Information Phone Number: +1 203-205-2900

Emergency Phone Number:

For Medical Emergencies, call 1-866-949-6465 / +1 303-389-1332 (Outside US and Canada)
For Transportation Emergencies, call 1-800-424-9300 (Chemtrec) +1-703-527-3887 for
Outside US and Canada (call collect)

SDS Date Of Preparation: 11/20/14

Product Use: Automotive maintenance product – For consumer and professional use

2. Hazards Identification

Note: This product is a consumer product and is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will differ from the OSHA label elements.

GHS Classification:

Physical:	Health:
Not Hazardous	Not Hazardous

GHS Label Elements: None

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	30 - 70%
Petroleum distillates, hydrotreated light paraffinic	64742-55-8	5 – 30%
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	5 - 15%

4. First Aid Measures

Inhalation: If symptoms of exposure develop, remove to fresh air. Get medical attention if symptoms appear and persist.

Skin Contact: Remove contaminated clothing and launder before reuse. Wash exposed skin with soap and water. If skin irritation or redness develops, get medical attention.

Eye Contact: Flush eyes with plenty of water. If irritation or other symptoms persist, seek medical attention.



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The Armor All/STP Products Company

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Ingestion: DO NOT induce vomiting. If the victim is fully conscious, have them drink a glass of water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

Most Important Symptoms: Direct eye contact may cause mild irritation. Inhalation of mists or vapors generated at elevated temperatures may cause respiratory irritation. Prolonged skin contact may cause dryness and defatting.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention should not be required.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Will burn under fire conditions. Closed containers may rupture if exposed to extreme heat. Burning may produce carbon monoxide and carbon dioxide, and hydrocarbons.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Caution – slip hazard. Eliminate all ignition sources and ventilate the area. Wear appropriate protective equipment.

Environmental Precautions: Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations. Notify the National Response Center if a spill of any amount enters navigable waters, the contiguous zone, or adjoining shorelines.

Methods for Containment and Clean-Up: Stop spill at the source if it is safe to do so. Absorb with an inert material. Collect into a suitable container for disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin and clothing. Avoid breathing vapors and mists. Wash exposed skin thoroughly with soap and water after use. Keep containers closed when not in use. Keep out of the reach of children.

Empty containers retain product residue and may be hazardous. Do not reuse empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area. Store away from oxidizing agents and other incompatible materials.



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The Armor All/STP Products Company

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8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Petroleum distillates, hydrotreated heavy paraffinic (as Mineral Oil)	5 mg/m3 inhalable TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as mist)
Petroleum distillates, hydrotreated light paraffinic (as Mineral Oil)	5 mg/m3 inhalable TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as mist)
Petroleum distillates, solvent dewaxed heavy paraffinic (as Mineral Oil)	5 mg/m3 inhalable TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as mist)

Engineering Controls: General ventilation should be adequate for all normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

Personal Protective Equipment

Respiratory Protection: None under normal use conditions. For operations where the TLV is exceeded, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Gloves: None normally required. Impervious gloves such as neoprene or nitrile are recommended if needed to avoid prolonged or repeated skin contact.

Eye Protection: None required for normal use. Avoid eye contact. Safety glasses or goggles are recommended if eye contact is possible.

Other Protective Equipment/Clothing: None required under normal use conditions.

9. Physical and Chemical Properties

Appearance And Odor: Amber liquid with a mild odor.

Physical State: Liquid	Odor Threshold: Not determined
pH: Not determined	Specific Gravity: 0.85
Initial Boiling Point/Range: Not determined	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: Not determined
Solubility In Water: Negligible (0-1%)	Percent Volatile: Nil
Viscosity: 47.67 – 63.85 cSt @ 40°C	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	VOC Content: Not determined
Flash Point: 428°F (220°C) COC	Autoignition Temp: Not determined
Decomposition Temperature: Not determined	Flammability Limits: LEL: Not determined UEL: Not determined
Flammability (solid, gas): Not applicable	



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The Armor All/STP Products Company

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10. Stability and Reactivity

Reactivity: Not normally reactive

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known

Conditions To Avoid: Keep away from excessive heat and open flames.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Burning may produce carbon monoxide, carbon dioxide, and hydrocarbons.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

Acute Hazards:

Inhalation: Inhalation of mists or vapors generated at elevated temperatures may cause upper respiratory tract irritation.

Skin Contact: Not a skin irritant. Prolonged or repeated contact may cause defatting and drying of the skin and dermatitis.

Eye Contact: Direct contact may cause slight eye irritation.

Ingestion: Swallowing may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Chronic Hazards: None currently known.

Carcinogenicity Listing: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Petroleum distillates, hydrotreated heavy paraffinic:

LD50 Oral Rat: >2,000 mg/kg; LD50 Skin Rabbit: >2000 mg/kg; LC50 Inhalation Rat 2.18 mg/L/ 4 hr.

Petroleum distillates, solvent dewaxed heavy paraffinic:

LD50 Oral Rat: >5000 mg/kg; LD50 Skin Rat >5000 mg/kg; LC50 Inhalation Rat >4.7 mg/L/ 4 hr.

12. Ecological Information

Ecotoxicity:

Petroleum distillates, hydrotreated heavy paraffinic:

LC50 Rainbow trout (*Oncorhynchus mykiss*): > 5,000 mg/L/ 96hr.

LC50 water flea (*Daphnia magna*): > 1,000 mg/L / 48hr.

Petroleum distillates, solvent dewaxed heavy paraffinic:

LC50 Rainbow trout (*Oncorhynchus mykiss*): > 5,000 mg/L/ 96hr.

LC50 water flea (*Daphnia magna*): > 1,000 mg/L / 48hr.

Persistence and Degradability:

Biodegrades slowly.



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The Armor All/STP Products Company

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Bio accumulative Potential:

Bioconcentration is not expected to occur.

Mobility in Soil:

This material is expected to have essentially no mobility in soil, and absorbs strongly to most soil types

Other Adverse Effects: No data available.

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

14. Transport Information

DOT Hazardous Materials Description: Not Regulated

Canadian TDG Hazardous Materials Description: Not Regulated

IMDG Dangerous Goods Description: Not Regulated

15. Regulatory Information

United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product has no RQ, however, oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not hazardous

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Canada:

Canadian WHMIS Classification: Not a controlled product.

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian DSL.

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.



® Safety Data Sheet

The Armor All/STP Products Company

44 Old Ridgebury Road
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16. Other Information

NFPA Rating (NFPA 704):	Health: 0	Fire: 1	Instability: 0
HMIS Rating:	Health: 0	Fire: 1	Physical Hazard: 0

REVISION SUMMARY: Update to GHS format. Changes to all sections.

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH



Safety Data Sheet

The Armor All/STP Products Company

44 Old Ridgebury Road
Suite 300
Danbury, CT 06810
Tel. 1-203-205-2900

1. Product And Company Identification

Product Name: STP® PRO Formula Motor Oil: 5W-20, 5W-30, 10W30

Responsible Party: The Armor All/STP Products Company
44 Old Ridgebury Road
Suite 300
Danbury, CT 06810

Information Phone Number: +1 203-205-2900

Emergency Phone Number:

For Medical Emergencies, call 1-866-949-6465 / +1 303-389-1332 (Outside US and Canada)
For Transportation Emergencies, call 1-800-424-9300 (Chemtrec) +1-703-527-3887 for
Outside US and Canada (call collect)

SDS Date Of Preparation: 11/20/14

Product Use: Automotive maintenance product – For consumer and professional use

2. Hazards Identification

Note: This product is a consumer product and is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will differ from the OSHA label elements.

GHS Classification:

Physical:	Health:
Not Hazardous	Not Hazardous

GHS Label Elements: None

3. Composition/Information On Ingredients

Component	CAS No.	Amount
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	30 - 90%
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	5 - 45%

4. First Aid Measures

Inhalation: If symptoms of exposure develop, remove to fresh air. Get medical attention if symptoms appear and persist.

Skin Contact: Remove contaminated clothing and launder before reuse. Wash exposed skin with soap and water. If skin irritation or redness develops, get medical attention.

Eye Contact: Flush eyes with plenty of water. If irritation or other symptoms persist, seek medical attention.

Ingestion: DO NOT induce vomiting. If the victim is fully conscious, have them drink a glass of water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or



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drowsy.

Most Important Symptoms: Direct eye contact may cause mild irritation. Inhalation of mists or vapors generated at elevated temperatures may cause respiratory irritation. Prolonged skin contact may cause dryness and defatting.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention should not be required.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Will burn under fire conditions. Closed containers may rupture if exposed to extreme heat. Burning may produce carbon monoxide and carbon dioxide, and hydrocarbons.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Caution – slip hazard. Eliminate all ignition sources and ventilate the area. Wear appropriate protective equipment.

Environmental Precautions: Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations. Notify the National Response Center if a spill of any amount enters navigable waters, the contiguous zone, or adjoining shorelines.

Methods for Containment and Clean-Up: Stop spill at the source if it is safe to do so. Absorb with an inert material. Collect into a suitable container for disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin and clothing. Avoid breathing vapors and mists. Wash exposed skin thoroughly with soap and water after use. Keep containers closed when not in use. Keep out of the reach of children.

Empty containers retain product residue and may be hazardous. Do not reuse empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area. Store away from oxidizing agents and other incompatible materials.

8. Exposure Controls / Personal Protection

Exposure Guidelines:



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The Armor All/STP Products Company

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CHEMICAL	EXPOSURE LIMIT
Petroleum distillates, hydrotreated heavy paraffinic (as Mineral Oil)	5 mg/m3 inhalable TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as mist)
Petroleum distillates, solvent dewaxed heavy paraffinic (as Mineral Oil)	5 mg/m3 inhalable TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as mist)

Engineering Controls: General ventilation should be adequate for all normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

Personal Protective Equipment

Respiratory Protection: None under normal use conditions. For operations where the TLV is exceeded, a NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Gloves: None normally required. Impervious gloves such as neoprene or nitrile are recommended if needed to avoid prolonged or repeated skin contact.

Eye Protection: None required for normal use. Avoid eye contact. Safety glasses or goggles are recommended if eye contact is possible.

Other Protective Equipment/Clothing: None required under normal use conditions.

9. Physical and Chemical Properties

Appearance And Odor: Amber liquid with a mild odor.

Physical State: Liquid	Odor Threshold: Not determined
pH: Not determined	Specific Gravity: 0.86 - 0.87
Initial Boiling Point/Range: Not determined	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: Not determined
Solubility In Water: Negligible (0-1%)	Percent Volatile: Nil
Viscosity: 48.19 – 69.61 cSt @ 40°C	Evaporation Rate: Not determined
Coefficient Of Water/Oil Distribution: Not determined	VOC Content: Not determined
Flash Point: 408.2°F (209°C) COC	Autoignition Temp: Not determined
Decomposition Temperature: Not determined	Flammability Limits: LEL: Not determined UEL: Not determined
Flammability (solid, gas): Not applicable	

10. Stability and Reactivity

Reactivity: Not normally reactive

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known

Conditions To Avoid: Keep away from excessive heat and open flames.

Incompatible Materials: Strong oxidizing agents.



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The Armor All/STP Products Company

44 Old Ridgebury Road
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Hazardous Decomposition Products: Burning may produce carbon monoxide, carbon dioxide, and hydrocarbons.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

Acute Hazards:

Inhalation: Inhalation of mists or vapors generated at elevated temperatures may cause upper respiratory tract irritation.

Skin Contact: Not a skin irritant. Prolonged or repeated contact may cause defatting and drying of the skin and dermatitis.

Eye Contact: Direct contact may cause slight eye irritation.

Ingestion: Swallowing may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Chronic Hazards: None currently known.

Carcinogenicity Listing: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Petroleum distillates, hydrotreated heavy paraffinic:

LD50 Oral Rat: >2,000 mg/kg; LD50 Skin Rabbit: >2000 mg/kg; LC50 Inhalation Rat 2.18 mg/L/ 4 hr.

Petroleum distillates, solvent dewaxed heavy paraffinic:

LD50 Oral Rat: >5000 mg/kg; LD50 Skin Rat >5000 mg/kg; LC50 Inhalation Rat >4.7 mg/L/ 4 hr.

12. Ecological Information

Ecotoxicity:

Petroleum distillates, hydrotreated heavy paraffinic:

LC50 Rainbow trout (*Oncorhynchus mykiss*): > 5,000 mg/L/ 96hr.

LC50 water flea (*Daphnia magna*): > 1,000 mg/L / 48hr.

Petroleum distillates, solvent dewaxed heavy paraffinic:

LC50 Rainbow trout (*Oncorhynchus mykiss*): > 5,000 mg/L/ 96hr.

LC50 water flea (*Daphnia magna*): > 1,000 mg/L / 48hr.

Persistence and Degradability:

Biodegrades slowly.

Bio accumulative Potential:

Bioconcentration is not expected to occur.

Mobility in Soil:

This material is expected to have essentially no mobility in soil, and absorbs strongly to most soil types

Other Adverse Effects: No data available.



Safety Data Sheet

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13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

14. Transport Information

DOT Hazardous Materials Description: Not Regulated

Canadian TDG Hazardous Materials Description: Not Regulated

IMDG Dangerous Goods Description: Not Regulated

15. Regulatory Information

United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product has no RQ, however, oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not hazardous

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Canada:

Canadian WHMIS Classification: Not a controlled product.

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian DSL.

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

16. Other Information

NFPA Rating (NFPA 704):	Health: 0	Fire: 1	Instability: 0
HMIS Rating:	Health: 0	Fire: 1	Physical Hazard: 0

REVISION SUMMARY: Update to GHS format. Changes to all sections.

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH