

# 4 Seasons

## Safety Data Sheet

### SECTION 1: Product and company identification

Product name : 4 Seasons  
Use of the substance/mixture : Dry lubricant  
Product code : 0336  
Company : Goldstar Products  
P.O. Box 291630  
Davie, FL 33329 - USA  
T (800) 239-5699  
Emergency number : Chemtrec: (800) 424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flam. Liq. 3 H226  
Asp. Tox. 1 H304

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Flammable liquid and vapor  
May be fatal if swallowed and enters airways

Precautionary statements (GHS-US) :

Keep away from heat, open flames, sparks. - No smoking.  
Keep container tightly closed.  
Ground/Bond container and receiving equipment  
Use explosion-proof lighting, electrical equipment  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear eye protection, protective clothing, protective gloves.  
If swallowed: Immediately call a doctor, a POISON CENTER  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
Do NOT induce vomiting.  
In case of fire: Use carbon dioxide (CO<sub>2</sub>), dry extinguishing powder, foam to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container to comply with local/regional/national/international regulations.

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

Full text of H-phrases: see section 16

#### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(CAS-No.) 64742-47-8	73.5 - 81.5	Flam. Liq. 4, H227 Asp. Tox. 1, H304
Alkanes, C14-16	(CAS-No.) 90622-46-1	7-13	Asp. Tox. 1, H304
Heavy hydrotreated naphthenic distillates	(CAS-No.) 64742-52-5	5-10	Carc. 1B, H350

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned:  
Get medical advice/attention.

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First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth with water. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

Symptoms/effects	: If you feel unwell, seek medical advice. May cause cancer. May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: May cause respiratory irritation. Dizziness. Nausea. Feeling of weakness. Headache. Unconsciousness.
Symptoms/effects after skin contact	: Contact during a long period may cause slight irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. Risk of aspiration pneumonia. Gastrointestinal complaints. Nausea. Cramps. Vomiting.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder. Carbon dioxide. Alcohol-resistant foam.

### 5.2. Special hazards arising from the substance or mixture

Explosion hazard : vapors may travel long distances along ground before igniting/flashing back to vapor source.  
Reactivity : Thermal decomposition may produce oxides of carbon and sulfur. Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges.

#### 6.1.1. For non-emergency personnel

Protective equipment : Protective goggles. Gloves. Protective clothing.  
Emergency procedures : Evacuate unnecessary personnel. No naked flames or sparks.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain released product, pump into suitable containers.  
Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a soap solution.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Do not breathe vapors. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. Keep away from sources of ignition - No smoking. Take precautions against electrostatic charges. Obtain special instructions before use. Remove contaminated clothing immediately.

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Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from: sparks, open flames, excessive heat.

Incompatible products : Oxidizing agent.

Incompatible materials : Sources of ignition.

Storage area : Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up.

Special rules on packaging : Keep only in original container. meet the legal requirements.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Not applicable

#### Alkanes, C14-16 (90622-46-1)

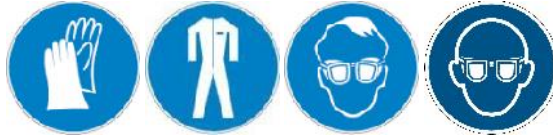
Not applicable

#### Heavy hydrotreated naphthenic distillates (64742-52-5)

Not applicable

### 8.2. Exposure controls

Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Protective goggles. Safety glasses.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Black. Liquid.

Odor : solvent odor

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : 130 °F Closed Cup

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : No data available

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Vapor pressure : No data available

Relative density : No data available

Relative vapor density at 20 °C : No data available

Specific gravity / density : 0.85 g/ml

Solubility : Insoluble in water.

Log Pow : No data available

Log Kow : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : No data available

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Viscosity, kinematic	: < 20 cSt
Viscosity, dynamic	: No data available
VOC content	: 40 %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Thermal decomposition may produce oxides of carbon and sulfur. Toxic fumes may be released.

#### 10.2. Chemical stability

Flammable liquid and vapor. Heating may cause a fire or explosion.

#### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

#### 10.4. Conditions to avoid

Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

##### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit, Literature)
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##### Alkanes, C14-16 (90622-46-1)

LD50 oral rat	> 2000 mg/kg
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LD50 dermal rabbit	> 2000 mg/kg
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LC50 inhalation rat (mg/l)	> 5.8 mg/l/4h
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Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

Symptoms/effects after inhalation : May cause respiratory irritation. Dizziness. Nausea. Feeling of weakness. Headache. Unconsciousness.

Symptoms/effects after skin contact : Contact during a long period may cause slight irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways. Risk of aspiration pneumonia. Gastrointestinal complaints. Nausea. Cramps. Vomiting.

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

LC50 fish 1	> 100 mg/l (Pisces)
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EC50 Daphnia 1	> 100 mg/l (Invertebrata)
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#### 12.2. Persistence and degradability

##### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Persistence and degradability	Readily biodegradable in water.
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#### 12.3. Bioaccumulative potential

##### hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Log Pow	6 - 8.2
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Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Product/Packaging disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.
- Additional information : Handle empty containers with care because residual vapors are flammable.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

- Transport document description : UN1993 Flammable liquids, n.o.s. (Aliphatic Hydrocarbons), 3, III
- UN-No.(DOT) : UN1993
- Proper Shipping Name (DOT) : Flammable liquids, n.o.s.
- Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
- Hazard labels (DOT) : 3 - Flammable liquid



- Packing group (DOT) : III - Minor Danger
- DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
- DOT Packaging Bulk (49 CFR 173.xxx) : 242
- DOT Symbols : G - Identifies PSN requiring a technical name
- DOT Special Provisions (49 CFR 172.102) : B1,B52,IB3,T4,TP1,TP29
- DOT Packaging Exceptions (49 CFR 173.xxx) : 150
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L
- DOT Vessel Stowage Location : A

#### Additional information

- Other information : When transported by ground in non-bulk containers, this product utilizes the exception found under 49 CFR 173.150. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### WARNING

This product can expose you to benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### SECTION 16: Other information

- Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

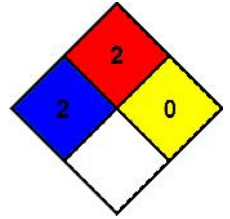
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H350	May cause cancer

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- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Prepared by: Technical Department

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.*