

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)  
Issue date: 8/14/2024 Revision date: 4/23/2025 Supersedes: 8/14/2024 Version: 1.1

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Substance  
Trade name : MS 300 Mineral Spirits  
CAS-No. : 8052-41-3

#### 1.2. Other means of identification

Other means of identification : Stoddard solvent (benzene < 0.1 w/w%)  
EC Index No. (Report) : 649-345-00-4  
EC-No. : 232-489-3

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

Recommended use : Cleaning solvent

#### 1.4. Supplier's details

Goodway Refining LLC  
4745 Ross Rd  
Atmore, Alabama 36502-4211  
T 1-251-867-5413

#### 1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
CCN 9658  
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

### SECTION 2 Hazard Identification

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

##### GHS US classification

Flammable liquid, Category 3	H226	Flammable liquid and vapor.
Germ cell mutagenicity, Category 1B	H340	May cause genetic defects (Inhalation).
Carcinogenicity, Category 1B	H350	May cause cancer (Inhalation).
Specific target organ toxicity — Repeated exposure, Category 1	H372	Causes damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.

Full text of H statements : see section 16

#### 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  
May cause genetic defects (Inhalation).  
May cause cancer (Inhalation).

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Precautionary statements (GHS US)

Causes damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation)  
: Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground/Bond container and receiving equipment.  
Use explosion-proof electrical, lighting, ventilating equipment.  
Do not breathe mist, spray, vapors.  
Wash hands, forearms and face thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective clothing, eye and face protection.  
If swallowed: Immediately call a POISON CENTER, a doctor.  
Do NOT induce vomiting.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Get medical advice or attention if you feel unwell.  
In case of fire: Use Dry chemical, CO<sub>2</sub>, or water spray or regular foam to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Name	Product identifier	%	GHS US classification
MS 300 Mineral Spirits (Main constituent)	CAS-No.: 8052-41-3	100	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 STOT RE 1, H372 Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 4 First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general	: Call a physician immediately. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth.
First-aid measures after inhalation	: Call a physician immediately. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs : Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: 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	: Call a physician immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

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

Symptoms/effects after inhalation	: Aspiration of the product into the lungs may cause very serious pneumonia.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	: Risk of product entering the lungs on vomiting after ingestion.
Most Important Symptoms/Effects	: Risk of product entering the lungs on vomiting after ingestion. If necessary, supply oxygen.
Chronic symptoms	: May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation). Prolonged and frequent exposure through inhalation may cause cancer.

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

Other medical advice or treatment	: IF exposed: Call a POISON CENTER or doctor/physician. Risk of product entering the lungs on vomiting after ingestion.
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Dry chemical, CO2, alcohol-resistant foam or waterspray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable liquid and vapor.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 6 Accidental release measures

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

General measures : Evacuate area. Do not take actions involving personal risks. Avoid all personal contact including breathing in the vapor. Wear self-contained breathing apparatus. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

##### For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Evacuate the danger area. If possible without taking personal risks, remove ignition sources. If outdoors, move to an area upwind of the danger area. Prevent other non-emergency personnel from entering the danger area. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe vapours or fumes.

##### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. Remove all sources of ignition. Prevent runoff from entering drains, sewers or waterways.  
Environmental precautions : Do not let the product reach soil, drains, sewers, or surface and ground water.

#### 6.2. Methods and materials for containment and cleaning up

For containment : Stop leak, if possible without risk. Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilled product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Take precautionary measures against static discharge. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid breathing fume, mist, spray, vapors. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion-proof equipment. Flammable vapors may accumulate in the container.  
Hygiene measures : Always wash hands after handling the product. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.  
Additional hazards when processed : Proper grounding procedures to avoid static electricity should be followed.

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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

Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Keep cool. Protect from sunlight. Store in a cool, well-ventilated place. Keep container tightly closed. Use explosion-proof equipment. Keep away from strong acids and strong oxidizers.
Incompatible materials	: Strong oxidizing agents. Strong acids.
Heat-ignition	: Keep away from sources of ignition - No smoking.
Packaging materials	: Store always product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

#### MS 300 Mineral Spirits (8052-41-3)

##### USA - ACGIH - Occupational Exposure Limits

Local name	Stoddard solvent
ACGIH OEL TWA	525 mg/m <sup>3</sup>
	100 ppm
Remark (ACGIH)	TLV® Basis: Eye, Kidney & Skin dam; Nausea; CNS impair
Regulatory reference	ACGIH 2025

##### USA - OSHA - Occupational Exposure Limits

Local name	Stoddard solvent
OSHA PEL TWA	2900 mg/m <sup>3</sup>
	500 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits.
Environmental exposure controls	: Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

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

#### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

#### Materials for protective clothing:

Wear suitable protective clothing. Flame retardant antistatic protective clothing

#### Hand protection:

Wear protective gloves. Wear suitable gloves resistant to chemical penetration

#### Eye protection:

Wear safety glasses which protect from splashes

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Self-contained breathing apparatus

### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Clear
Odor	: Hydrocarbon
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 151.7 °C (305 °F)
Flash point	: 41.11 °C (106 °F)
Flammability (solid, gas)	: No data available
Vapor pressure	: 0.49 psi typical (ASTM D6378)
Relative vapor density at 20°C	: > 1
Relative density	: No data available
Density	: 0.78 g/cm <sup>3</sup> (20 °C / 68 °F)
Solubility	: Negligible in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: 230 °C (446 °F)
Decomposition temperature	: No data available
Viscosity, kinematic	: 0.9 – 1.6 mm <sup>2</sup> /s
Explosion limits	: Lower explosion limit: 0.7 vol % Upper explosion limit: 6 vol %
Particle characteristics	: No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

### 10.5. Incompatible materials

Strong acids. Oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### MS 300 Mineral Spirits (8052-41-3)

LD50 oral rat	> 5000 ng/kg
LD50 dermal rabbit	> 3000 mg/kg body weight
LC50 Inhalation - Rat	> 5.5 mg/l air

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : May cause genetic defects (Inhalation).

Carcinogenicity : May cause cancer (Inhalation).

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Causes damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation).

#### MS 300 Mineral Spirits (8052-41-3)

NOAEL (oral,rat,90 days)	1056 mg/kg body weight
NOAEL (dermal,rat/rabbit,90 days)	2000 mg/kg body weight

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

#### MS 300 Mineral Spirits (8052-41-3)

Viscosity, kinematic	0.9 – 1.6 mm <sup>2</sup> /s
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Symptoms/effects after inhalation : Aspiration of the product into the lungs may cause very serious pneumonia.

Symptoms/effects after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.

Symptoms/effects after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Symptoms/effects after ingestion : Risk of product entering the lungs on vomiting after ingestion.

Most Important Symptoms/Effects : Risk of product entering the lungs on vomiting after ingestion. If necessary, supply oxygen.

Chronic symptoms : May cause damage to organs (central nervous system) through prolonged or repeated exposure (Inhalation). Prolonged and frequent exposure through inhalation may cause cancer.

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 12 Ecological information

#### 12.1. Ecotoxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects

#### MS 300 Mineral Spirits (8052-41-3)

LC50 - Fish [1]	2.5 mg/l
EC50 96h - Algae [1]	0.58 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC (chronic)	0.1 mg/l

#### 12.2. Persistence and degradability

#### MS 300 Mineral Spirits (8052-41-3)

Persistence and degradability	Not rapidly degradable
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#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified  
Fluorinated greenhouse gases : No

### SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Refer to all applicable national, international and local regulations or provisions.  
Additional information : Flammable vapors may accumulate in the container. Do not re-use empty containers.  
Ecological waste information : Avoid release to the environment.

### SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
<b>14.1. UN number</b>		
UN1268	1268	1268
<b>14.2. Proper Shipping Name</b>		
Petroleum distillates, n.o.s. (Stoddard Solvent)	PETROLEUM DISTILLATES, N.O.S. (Stoddard Solvent)	Petroleum distillates, n.o.s. (Stoddard Solvent)



# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

DOT	IMDG	IATA
<b>14.3. Transport hazard class(es)</b>		
3	3	3
<b>14.4. Packing group</b>		
III	III	III
<b>14.5. Environmental hazards</b>		
	Marine pollutant: No	
No supplementary information available		

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

UN-No. (DOT) : UN1268  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
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 - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

#### IMDG

Special provision (IMDG) : 223, 955  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1, TP29  
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS  
EmS-No. (Spillage) : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER  
Stowage category (IMDG) : A  
Properties and observations (IMDG) : Immiscible with water.

#### IATA

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y344  
PCA limited quantity max net quantity (IATA) : 10L  
PCA packing instructions (IATA) : 355  
PCA max net quantity (IATA) : 60L  
CAO packing instructions (IATA) : 366  
CAO max net quantity (IATA) : 220L  
ERG code (IATA) : 3L

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### SECTION 15 Regulatory information

#### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to 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.

#### 15.2. International regulations

##### CANADA

##### MS 300 Mineral Spirits (8052-41-3)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

No additional information available

##### National regulations

##### MS 300 Mineral Spirits (8052-41-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 4/23/2025

Issue date : 8/14/2024

#### Full text of hazard classes and H-statements

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure

#### Indication of changes:

Section	Changed item	Comments
	Hazardous to the aquatic environment, long-term (chronic) - comment	<b>Added</b>
		<b>Modified</b> Updated to HazCom 2024

# MS 300 Mineral Spirits

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

8	Regulatory reference	<b>Modified</b>
8	Remark (ACGIH)	<b>Modified</b>
12.1	Ecology - general	<b>Modified</b>

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.