



Westco IS 7520

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/27/2020 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Westco IS 7520
Synonyms : Insoluble Sulfur, high stability, 20% oil treated; Insoluble Sulfur 7520

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Vulcanizing Agent

1.3. Supplier

Western Reserve Chemical Corporation
4837 Darrow Road
Stow, OH 44224 - USA
T 330 650 2244 - F 330 650 2255
www.wrchem.com

1.4. Emergency telephone number

Emergency number : CHEMTREC 1 800 424 9300 USA

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Combustible Dust May form combustible dust concentrations in air

2.2. GHS Label elements, including precautionary statements

GHS labeling

Signal word (GHS) : Warning
Hazard statements (GHS) : May form combustible dust concentrations in air

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS classification
Sulfur homopolymer	(CAS-No.) 9035-99-8	80	Comb. Dust
Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%)	(CAS-No.) 64742-52-5	20	Not classified

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : 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 : Remove affected clothing and wash all exposed skin area 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 : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion : Rinse mouth.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Dust from this product may cause irritation to the respiratory tract.

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- Symptoms/effects after skin contact : Causes mild skin irritation.
Symptoms/effects after eye contact : Dust from this product may cause eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Fire hazard : Watch out for invisible flames. Combustible Dust.
Hazardous decomposition products in case of fire : Sulfur oxides. Sulfur dioxide.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
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. No open flames. No smoking. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing and gloves. Use suitable eye protection. Where excessive dust may result, use approved respiratory protection equipment. Do not breathe dust.
Emergency procedures : Evacuate unnecessary personnel. Stop leak, if possible without risk. Avoid dust formation.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Chemical goggles or safety glasses. Wear suitable protective clothing and gloves. Where excessive dust may result, use approved respiratory protection equipment.
Emergency procedures : Evacuate unnecessary personnel. Avoid raising powdered materials into airborne dust, creating an explosion hazard. Do not breathe dust.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Minimize generation of dust.

6.4. Reference to other sections

Section 7: safe handling. Section 8: personal protective equipment. Section 13: disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing dust. Use only outdoors or in a well-ventilated area.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container tightly closed. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
Incompatible products : amines. Bases. Oxidizer.
Heat-ignition : Keep away from heat, sparks and flame.
Storage area : Keep out of direct sunlight. Store in dry, cool, well-ventilated area.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Westco IS 7520	
No additional information available	
Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%) (64742-52-5)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m ³)	5 mg/m ³
ACGIH STEL (mg/m ³)	10 mg/m ³
USA - OSHA - Occupational Exposure Limits	
OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
Sulfur homopolymer (9035-99-8)	
No additional information available	

8.2. Appropriate engineering controls

Appropriate engineering controls : Use enclosed processes where appropriate and possible. Provide a good standard of controlled ventilation (5 to 10 air changes per hour).

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Materials for protective clothing:

Wear suitable coveralls to prevent exposure to the skin

Hand protection:

Wear protective gloves. neoprene/butyl rubber. Gloves should be well cleaned before being removed. Store in a well-ventilated place.

Eye protection:

tightly fitting safety goggles

Respiratory protection:

If dust is formed: Wear respiratory protection. High efficiency particulate air filter (HEPA filter)

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: Yellow
Odor	: Mild, sulfur-like odor.
Odor threshold	: No data available
pH	: No data available
Melting point	: 108 °C
Freezing point	: 108 °C
Boiling point	: 445 °C
Flash point	: 157 °C Cleveland Open Cup
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 1.58 g/cm ³

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Solubility	: insoluble in water.
Log Pow	: No data available
Auto-ignition temperature	: 232 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Keep away from sources of ignition. Direct sunlight.

10.5. Incompatible materials

amines. Bases.

10.6. Hazardous decomposition products

sulfur oxides. Sulfur dioxide.

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

Westco IS 7520	
LD50 oral rat	> 4000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%) (64742-52-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 5.53 mg/l/4h

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
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: Dust from this product may cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes mild skin irritation.

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Symptoms/effects after eye contact : Dust from this product may cause eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Westco IS 7520	
LC50 fish 1	> 1000 mg/l
EC50 crustacea	> 1000 mg/l
Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%) (64742-52-5)	
LC50 fish 1	> 100 mg/l
EC50 crustacea	> 10000 mg/l
EC50 other aquatic organisms 1	> 100 mg/l

12.2. Persistence and degradability

Westco IS 7520	
Persistence and degradability	inherently biodegradable.
Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%) (64742-52-5)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

Westco IS 7520	
Bioaccumulative potential	Not expected to bioaccumulate.

12.4. Mobility in soil

Westco IS 7520	
Ecology - soil	Poorly soluble in water.
Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%) (64742-52-5)	
Mobility in soil	22% partitions to soil.

12.5. Other adverse effects

Effect on the ozone layer : None known

Effect on global warming : None known

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations : Recycle the material as far as possible. Collect as much as possible in a clean container for (preferable) reuse or disposal. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

Not regulated.

Transport by sea

Not regulated.

Air transport

Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

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 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.

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Sulfur homopolymer (9035-99-8)

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

CANADA

Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%) (64742-52-5)

Listed on the Canadian DSL (Domestic Substances List)

Sulfur homopolymer (9035-99-8)

Listed on the Canadian DSL (Domestic Substances List)

National regulations

Distillates (petroleum) hydrotreated heavy naphthenic (DMSO < 3%) (64742-52-5)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on Taiwan National Chemical Inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

15.3. US 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

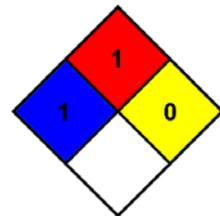
SECTION 16: Other information

Data sources : toxplanet.
HSDB (Hazardous Substances Data Bank).
Information from published literature and internal company data.
Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
OECD	Organisation for Economic Co-operation and Development
ATE	Acute Toxicity Estimate
LC50	Median lethal concentration
LD50	Median lethal dose
NOAEL	No-Observed Adverse Effect Level

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



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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.