Moly Coating Spray (MC-420SP)	SDS No.	1921
TRUSCO NAKAYAMA CORPORATION	Revision Date	May. 08, 2025

SAFETY DATA SHEET(SDS)

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	Moly Coating Spray (MC-420SP)
Company Name	:	TRUSCO NAKAYAMA CORPORATION
Address	:	28-1 SHINBASHI 4-chome,MINATO-KU,TOKYO,JAPAN
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2 HAZARDS IDENTIFICATION

Hazards Category

Aerosols	:	Category 1
Flammable Liquids	:	Category 2
Skin Corrosion/Irritation	:	Category 2
Serious Eye Damage/Eye Irritation	:	Category 2A
Carcinogenicity	:	Category 2
Reproductive Toxicity	:	Category 1B
Specific Target Organ Systemic Toxicity(Single Exposure)	:	Category 1
Specific Target Organ Systemic Toxicity(Single Exposure)	:	Category 2
Specific Target Organ Systemic Toxicity(Single Exposure)	:	Category 3
Specific target organ systemic toxicity(Repeated exposure)	:	Category 1
Specific target organ systemic toxicity(Repeated exposure)	:	Category 2
Hazardous to The Aquatic Environment(Acute)	:	Category 2
Hazardous to The Aquatic Environment(Chronic)	:	Category 3

The one without the description cannot be classified.

Allocation of Label Elements

Pictogram

Flame

Exclamation mark

Health Hazard



Signal Word

Danger

Hazard Statement

Extremely flammable aerosol

Pressurized container : may burst if heated

Highly flammable liquid and vapour

Cause skin irritation

Cause serious eye irritation

Suspected of causing cancer

May damage fertility or the unborn child

May cause harm to breast-fed children

Cause damage to organs

May cause damage to organs

May cause respiratory irritation; or May cause drowsiness or dizziness

Causes damage to organs through prolonged or repeated exposure

May causes damage to organs through prolonged or repeated exposure

Toxic to aquatic life

Harmful to aquatic life with long lasting effects

Precautionary Statement

Prevention

Before use, read the safe data sheet (SDS).
Keep out of reach of children.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not burn, even after use.
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid contact during pregnancy/while nursing.
Wash points of contact thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection/respiratory protection.

Response

In case of fire : Use dry chemical, carbon dioxide(CO2), and foam to extinguish.
IF SWALLOWED : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
IF ON SKIN : Wash with plenty of soap and water.
If skin irritation or rash occurs : Get medical advice/attention.
IF INHALED : Remove person to fresh air and keep comfortable for breathing.
Get medical advice/attention if you feel unwell.
IF IN EYES : Rinse cautiously with water for several minutes. Get medical advice/attention.
If exposed or concerned : Get medical advice/attention.
Take off contaminated clothing.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.

Storage

Store locked up.
Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Protect from sunlight. Do not expose to temperatures exceeding 40℃.

Disposal

Dispose of contents /container in accordance with local/regional/national/international regulations.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients and Contents

Component name	CAS number	wt%
Molybdenum disulfide	1317-33-5	5～10
Graphite	7782-42-5	1～5
Cyclohexane	110-82-7	10～20
Butyl acetate	123-86-4	1～5
Xylene	1330-20-7	1～5
Ethylbenzene	100-41-4	1～5
Propane	74-98-6	5～15
Butane	106-97-8	50～60

4 FIRST-AID MEASURES

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a physician if you feel unwell.

Skin

Wash with plenty of soap and water.
Call a physician if you feel unwell.

Eye

Immediately flush eyes with plenty of water for at least 15 minutes.
Call a physician.

Ingestion

Rinse mouth. Do not induce vomiting.

Call a physician.

5 FIRE-FIGHTING MEASURES

Extinguishing Media

Dry chemical, carbon dioxide(CO_2), and foam

Specific Fire Fighting

Must not use water to extinguish fires.

Quickly removed from the surrounding flammable.

The use of extinguishing agents specified.

Fire fighting is done from the windward.

On small fires use carbon dioxide (CO_2) or dry chemical.

On large fires use dry chemical or foam.

Sealed containers that are exposed to high temperatures over the water to cool.

Protection for Fire-fighter

Wear full body protective clothing with breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective equipments in case of operation.

Environmental Precautions

Avoid release to the environment.

Methods for Cleaning Up

Remove potential ignition source in vicinity as soon as possible.

Prepare extinguishing agent.

Prevent leakage by enclosing with nonflammables and collect into empty container by scoop or the like.

Absorbed to non-flammable dry sand, if a large amount of spill to prevent enclosed in embankment.

If do not stop the leakage from the container, releasing carried away in a place not at risk of being open.

Spilled material is collected in a container that can be sealed, then remove to safe place.

Deposits, waste treatment is based on the local regulations.

Working from the windward, to evacuate people downwind.

7 HANDLING AND STORAGE

Handling

Use in a well ventilated area.

Keep away from heat, spark and flames.

Use spark-proof tools and explosion-proof equipment.

After handling, wash well hands and face and rinse your mouth.

Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower.

Leakage, overflow, to prevent scattering, we do not generate steam in vain.

In the handling area and deny unnecessary entry.

Resting place shall not bring contaminated protective equipment such as gloves.

Wear protective equipments when risk of exposure occurs.

To work in an enclosed area that you work with appropriate protective equipment with a local exhaust ventilation sufficient.

Precautions

Do not breathe vapor or mist.

Handling of the outdoors, as much as possible to work from the windward.

Note is flammable at higher temperatures.

Do not handle in a fire place.

Do not handle in the place more than 40 ℃.

Do not use continuously for more than 30 seconds.

Do not store near heat or open flame areas exposed to direct sunlight.

Not want to use toward food and the human body.

Handling Precautions for Safety

Avoid physical damage to containers.

Storage

Fire prohibited strictly.
Do not store in direct sunlight or where more than 40 ℃.
Keep away from sources of ignition.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Note that because there is a risk of corrosion and rupture the container is stored in a moisture or humid place.
Store in a tightly closed container.

Safe containers and packaging materials

None in particular.

8 EXPOSURE/PERSONAL PROTECTION

Engineering Controls

Handling equipment is used explosion-proof.
Attach an exhaust device to prevent vapor from staying.
That the equipment and shall become hot, and the source of ignition in the vicinity of the location, such as handling not been placed.
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limit Values

Chemical name	ACGIH
Molybdenum disulfide	TWA 3mg/m3
Graphite	TWA 2mg/m3(R)
Cyclohexane	TWA 100ppm
Butyl acetate	TWA 50ppm, STEL 150ppm
Xylene	TWA 100ppm, STEL 150ppm
Ethylbenzene	TWA 20ppm
Propane	TWA 1,000ppm
Butane	TWA -, STEL (1000ppm)

Personal Protective Equipment

Respiratory Protection

Wear an organic gas mask or positive pressure air respirator if necessary.

Skin Protection

Solvent-resistant gloves

Eye Protection

Wear chemical worker's goggles.

Skin and body protection

Such as long-sleeved work clothes

Hygiene measures

Do not eat, drink or smoke during work.
Replacement of the adsorbent, such as the mask is performed each time or use plans.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Liquid	(Base liquid)
Color	:	Dark gray	
Odor	:	Solvent odor	
pH	:	Not available	
Boiling Point(℃)	:	Not available	
Melting Point(℃)	:	Not available	
Flammability	:	Not available	
Flash point(℃)	:	-20	
Auto-ignition Temperature(℃)	:	Not available	
Flammability or Explosive Limits			
Lower	:	Not available	
Upper	:	Not available	
Vapour Pressure (KPa)	:	Not available	
Vapour Density	:	Not available	

Relative density(g/cm3)	:	0.97
Solubility	:	Insoluble in water
Partition Coefficient: n-octanol/water	:	Not available
Decomposition Temperature(℃)	:	Not available
Dynamic viscosity rate	:	Not available
Relative gas density	:	Not available
Particle properties	:	Not available

10 STABILITY AND REACTIVITY

Stability

Stable under normal temperatures and pressures.

Reactivity

No self-reactive

Conditions to Avoid

Heat, flames, ignition sources and incompatibles.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and other oxidized substances.

11 TOXICOLOGICAL INFORMATION

Chemical name	Acute toxicity (oral)	Acute toxicity (dermal)	Acute toxicity (inhalation: gas)	Acute toxicity (inhalation: vapour)	Acute toxicity (inhalation: dust, mist)	Skin corrosion / irritation	Serious eye damage / eye irritation
Molybdenum disulfide	Not applicable to category	Not applicable to category	Not applicable to category	Not applicable to category	Classification not possible	Classification not possible	Classification not possible
Graphite	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Cyclohexane	Not applicable to category	Not applicable to category	Not applicable to category	Not applicable to category	Classification not possible	Category 2	Category 2A
Butyl acetate	Not applicable to category	Not applicable to category	Not applicable to category	Classification not possible	Classification not possible	Not applicable to category	Category 2B
Xylene	Not applicable to category	Category 4	Not applicable to category	Category 4	Classification not possible	Category 2	Category 2A
Ethylbenzene	Not applicable to category	Not applicable to category	Not applicable to category	Category 4	Classification not possible	Not applicable to category	Category 2B
Propane	Not applicable to category	Not applicable to category	Not applicable to category	Not applicable to category	Not applicable to category	Not applicable to category	Classification not possible
Butane	Not applicable to category	Not applicable to category	Not applicable to category	Not applicable to category	Not applicable to category	Classification not possible	Classification not possible

Chemical name	Respiratory/skin sensitizer	Germ cell mutagenicity	Carcinogenicity	Toxic to reproduction	Specific target organs/systemic toxicity following single exposure	Specific target organs/systemic toxicity following repeated exposure	Aspiration hazard

Molybdenum disulfide	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Graphite	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Cyclohexane	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Not applicable to category	Category 2 (cardiovascular syste) Category 3 (respiratory tract irritation, narcotic effects)	Classification not possible	Classification not possible
Butyl acetate	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Category 3 (respiratory tract irritation, narcotic effects)	Classification not possible	Classification not possible
Xylene	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Category 1B	Category 1 (central nervous system, respiratory organs, liver, kidneys), Category 3 (narcotic effects)	Category 1 (nervous system, respiratory organs)	Category 1
Ethylbenzene	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Category 2	Category 1B	Category 3 (respiratory tract irritation, narcotic effects)	Category 2 (auditory organ)	Category 1
Propane	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Category 3 (narcotic effects)	Classification not possible	Not applicable to category
Butane	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Category 3 (narcotic effects)	Category 1 (central nervous system)	Not applicable to category

12 ECOLOGICAL INFORMATION

Chemical name	Hazardous to the aquatic environment (Acute)	Hazardous to the aquatic environment (Chronic)	Hazard to the ozone layer	Residuality and decomposition	Ecological accumulation	Mobility in soil
Molybdenum disulfide	Classification not possible	Classification not possible	Classification not possible	No data	No data	No data
Graphite	Classification not possible	Classification not possible	Classification not possible	No data	No data	No data
Cyclohexane	Category 1	Category 3	Classification not possible	No data	No data	No data

Butyl acetate	Category 3	Not applicable to category	Classification not possible	No data	No data	No data
Xylene	Category 2	Category 2	Classification not possible	No data	No data	No data
Ethylbenzene	Category 1	Category 2	Classification not possible	No data	No data	No data
Propane	Classification not possible	Classification not possible	Classification not possible	No data	No data	No data
Butane	Classification not possible	Classification not possible	Classification not possible	No data	No data	No data

13 DISPOSAL CONSIDERATIONS

Dispose of contents /container in accordance with local/regional/national/international regulations.

14 TRANSPORT INFORMATION

UN Class

Aerosols, flammable, Class 2.1

UN No.

UN1950

Packing Group

Not regulated.

15 REGULATORY INFORMATION

Follow all regulations in your country.

16 OTHER INFORMATION

References

JIS Z 7253 (2019)

GHS data-base (NITE)

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