

Issue Date: February 18, 2016

Safety Data Sheet

1. Identification

Product Name: BLACK GUARD SPRAY NET.420ml
 Product Code: FC-153

Manufacturer Name: FINECHEMICAL JAPAN CO.,LTD.
 Address: 1-15-3 Fukuzumi, Koto-ku, Tokyo, Japan
 TEL: 03-3643-8877
 FAX: 03-3643-8890

Recommended use of the chemical and restrictions on use: Laser anti-reflection coating spray. For professional use.

2. Hazards Identification

GHS Classification

Physical Hazards:	Aerosols	Category 1
Health Hazards:	Serious eye damage/eye irritation	Category 2A
	Reproductive toxicity	Category 2
	Specific target organ toxicity (single exposure)	Category 1 ((Central nervous system , Kidneys ,Systemic toxicity) Category 3 (Narcotic effects, Respiratory tract irritant)
	Specific target organ toxicity (repeated exposure)	Category 2 (Blood vessels, Liver, Spleen)

*Other hazards are not classified, not applicable or classification not possible.

GHS Label Elements

Symbol:



Signal word:

Danger

Hazard Statement:

Extremely flammable aerosol
 Pressurized container: may burst if heated
 Causes serious eye irritation
 May cause respiratory irritation
 May cause drowsiness or dizziness
 Suspected of damaging fertility or the unborn child
 Causes damage to organs
 May cause damage to organs through prolonged or repeated exposure

3. Composition/Information on ingredients:

Substance/Mixture

Mixture

Ingredient	Weight %	CAS No.	
Graphite powder	3.3	7782-42-5	
Cellulosic binder	1.1	---	
Isopropanol	27.9	67-63-0	
Propylene glycol methyl ether	0.7	107-98-2	
1-Butanol	0.7	71-36-3	
Butane	55.0	106-97-8	
Propane	11.3	74-98-6	
Total	100.0		

4. First – aid measures:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF exposed or concerned: Get medical advice.
 Call a doctor if you feel unwell.
 Get medical advice if you feel unwell.
 If eye irritation persists: Get medical advice.

5. Fire Fighting Measures

Extinguishing Media:
 Unsuitable extinguishing media:
 Specific hazards arising from the chemical:

Foam. Dry chemical powder. Carbon dioxide (CO₂).
 Do not use water jet as an extinguisher.
 Flammable liquid and vapor.

6. Accidental Release Measures

Wear appropriate protective clothing.
 Remove ignition sources.
 Avoid release to the environment.

7. Handling and Storage

Handling:

Obtain special instructions before use.
 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.
 Do not pierce or burn, even after use.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Wash hands thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.

Storage:

Store in a well-ventilated place. Store locked up.
 Protect from sunlight. Do not expose to temperatures exceeding 40°C.

8. Exposure Controls/Personal Protection

ACGIH (TLV-TWA)

1-Butanol:20 ppm, Propylene glycol methyl ether :100ppm ,

Isopropanol:200 ppm ,Butane:800ppm, Propane:1000ppm

Engineering Controls:

Use adequate general and local exhaust ventilation to maintain exposure levels below that exposure limits.

Personal Protection:

Skin Protection:

Wear chemical resistant gloves.

Eye Protection:

Safety goggles recommended where eye contact is possible.

Work/Hygiene Practices:

Wash with soap and water after handling.

9. Physical and Chemical Properties

Appearance

Black liquid

Odor

Organic solvent odor.

Boiling point

-42°C ~ 83°C

Flash point

Propellant -90°C, Base liquid 11.7°C

Explosion limit

Lower 1.5% / Upper 12%

Pressure

0.46MPa (25°C)

Density

0.63 (20°C)

10. Stability and Reactivity

Stability:	Stable under normal conditions of storage and use.
Possibility of hazardous reactions:	React with strong oxidizing agents.
Conditions to Avoid:	Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.
Incompatibilities:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide.

11. Toxicological information

Acute toxicity:	
Acute Oral toxicity:	Not classified or classification not possible.
Acute Dermal toxicity:	Not classified or classification not possible.
Acute Inhalation toxicity:	Not classified or classification not possible.
Irritation/Corrosion:	Not classified or classification not possible.
Eye damage/Irritation:	The mixture is classified as Category 2A.
Sensitization-Respiratory:	Not classified or classification not possible.
Germ cell mutagenicity:	Not classified or classification not possible.
Carcinogenicity:	Not classified or classification not possible.
Toxic to reproduction:	The mixture is classified as Category 2.
Specific target organ toxicity (Single exposure)	The mixture is classified as Category 1 (Central nervous system , Kidneys ,Systemic toxicity), Category 3 (Narcotic effects, Respiratory tract irritant)
Specific target organ toxicity (Repeated exposure)	The mixture is classified as Category 2 (Blood vessels, Liver, Spleen)
Aspiration hazard:	Not classified or classification not possible.

12. Ecological Information

Hazardous to the aquatic environment	Not classified or classification not possible.
Acute hazard	
Hazardous to the aquatic environment	Not classified or classification not possible.
Long term hazard	

13. Disposal Considerations

Make sure containers are empty before discarding.
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

UN Number:	1950
Proper Shipping Name	AEROSOLS, FLAMMABLE
UN Class	CLASS 2.1

15. Regulatory Information

Follow all regulations in your country or region.

16. Other Information

Notice to reader

The information contained herein is based on all the information and data that we can obtain as of the date issued. However we do not give guarantee regarding the contents, physical or chemical properties, hazards or harm. All remarks and precautions are premised on ordinary handling and it is the user's responsibility to take enough considerations in case of particular use.