

Safety Data Sheet

1. PRODUCT AND MANUFACTURE INFORMATION

Product Name: METALLIC SPRAY

Color : All color

Features : Acrylic Lacquer Aerosol Paint

Usage : Paint for Iron and Wood (without floor)

Manufacture Name: ASAHIPEN Corporation

Address : 1-12 Tsurumi-4 Tsurumi-ku Osaka Japan 538-8666

Section Concerned : Technical Division Person in charge: S. Tanikawa

Information Phone No.: 06-6930-5036

FAX No. : 06-6930-5035

Emergency Phone No. : 06-6934-0300

Mail Address : hinshou@asahipen.co.jp

2. HAZARDOUS IDENTIFICATION

GHS Classification

Aerosols	Hazard category 1
Serious eye damages / eye irritation	Hazard category 2
Specific target organ toxicity following single exposure	Hazard category 2, 3
Specific target organ toxicity following repeated exposure	Hazard category 2
Hazardous to the aquatic environment, short-term (acute)	Hazard category 3

Labelling

Pictogram



Signal word

Danger

Hazard statement

Extremely flammable aerosol

Pressurized container: may burst if heated

Causes serious eye irritation

May cause damage to organs

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

Harmful to aquatic life

3. HAZARDOUS INGREDIENT

Component and concentration of dangerous and hazardous materials.

NAME	CAS No.	WT%	NOTE
Acrylic resin	—	5~10	
Nitrocellulose	9004-70-0	1~ 5	
Aluminum	7429-90-5	1~ 5	
Copper phthalocyanine	147-14-8	0~ 1	
C. I. Pigment Green 7	1328-53-6	0~ 1	
Butyl acetate	123-86-4	20~30	
2-Methyl-1-propanol	78-83-1	1~ 5	
Hydrotreated heavy naphtha	64742-48-9	1~ 5	
1-Butanol	71-36-3	1~ 5	
1-Methoxy-2-propanol	107-98-2	1~ 5	
2-Butoxyethanol	111-76-2	1~ 5	
2-Propanol	67-63-0	0.1~ 1	
Dimethyl ether	115-10-6	45~55	

4. FIRST AID MEASURES

Eye Contact:

Immediately rinse the affected eyes with clean water for at 15 minutes.

Hold the eyelids open and pour water slowly over the eyeballs.

A physician should still examine the eyes as soon as possible.

Skin Contact:

Remove the sticking materials quickly with clothes.

Wash the affected area with plenty of running water using a mild soap or skin shampoo.

Arrange medical treatment by a physician on injured skin and painful parts.

Inhalation:

Remove the victim inhale solvent vapor and gasses in abundance to fresh air and keep in warm and quiet. Then arrange medical care.

If breath is weak, irregular or has stopped, open airway, loose collar & belt and administer artificial respiration.

Ingestion:

If swallow in the wrong, keep the victim quiet and arrange medical inspection by physician, immediately.

Prevent to swallow the vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Water [NO], Carbon Dioxide [YES], Foam [YES], Dry Chemical [YES], Sand [YES], Others []

Special Fire Fighting Procedure:

Don't use water.

Fire-fighters should wear proper protective equipment.

Remove inflammable materials near fire immediately.

Use the specific extinguishing media.

6. SPILL AND LEAK PROCEDURES

Wear proper protective equipment (Gloves, Protective Mask, Apron and Goggles).

Take up and place in closed container and keep in safety zone.

Ensure treatment of the contaminated and waste in compliance with government requirements.

Shut off all source of ignition, heat, and inflammable materials immediately.

Prepare proper fire-extinguisher for the fire.

Absorb spill with inner materials then place in a chemical waste containers.

For large spills, dike for pollution further release.

7. HANDLING AND STORAGE PRECAUTIONS

Handling:

- Use only in the well ventilated areas.
- Keep container tightly & closely.
- Keep away from fire, spark and heat in using area.
- Equipment should be grounded and bonded. Use explosion proof electrical equipment.
- Use reduced-sparking hand-tools.
- Avoid direct contact with skin, mucous membrane, eyes and wares by using protective tools.

Storage:

- Protect from direct sunlight.
- Store in a cool dry, well-ventilated location.
- Don't store in an over 40°C area.
- Keep away from fire and heat.
- Keep locked up.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Equipment Requirement:

- Use non-spark closed type equipment.
- Prevent remaining vapors with adequate ventilation.
- Equipment should be grounded and bonded in case of transport, suction and stirring liquids.
- Don't use equipment having high temperature and source of fire around handling this materials.
- In the closed area of tank, use ventilator effective to closed and bottom area.

Respiration and Ventilation:

- Use a respiratory protection mask for organic solvent gasses.
- Wear positive pressure self-contained breathing apparatus in closed area.

Eye Protection:

- Wear protective goggles.

Skin Protection:

- Wear impervious clothing such as gloves, apron and body suits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form: Liquid [YES], Gas [], Solid [], Powder [], Paste []

Color : Indicated Color on container

Odor : Solvent Odor

Boiling Point : PAINT 108-126°C PROPELLANT -23.7°C

Vapor Pressure: PAINT 1660Pa (32°C) PROPELLANT 506625Pa (20°C)

Density : PAINT 0.93g/ml (23°C) PROPELLANT 0.66g/ml (23°C) AEROSOL 0.77g/ml (23°C)

pH : Not applicable

Other : No additional remark

10. INFORMATION ABOUT DANGERS

Inflammability and explosion

Flash Point : PAINT 28.5°C PROPELLANT -27°C
 Ignition Point : PAINT 367-425°C PROPELLANT 350°C
 Explosion Limit: PAINT 1.4-11.3% PROPELLANT 3.4-18.1%

Reactivity and Stability

Hazardous Reaction:

This product is considered stable under normal condition.

Decomposed Product / Generation of Dangerous Material:

Generate carbon oxides (CO, CO₂), Nitrogen oxides (NO, NO₂) in contact with fire.

Other Reactivity Information:

No additional remark

Stability:

Stable

Other Additional Information:

May burst at over 40°C.

11. TOXICOLOGICAL INFORMATION

Toxicity of Ingredients and Exposure Limit:

NAME	Exposure Limit	ACGIH (TLV)	IARC	Other LD ₅₀ (Oral; rat)
Acrylic resin	—	—	—	—
Nitrocellulose	—	3mg/m ³	—	>5,000mg/kg
Aluminum	—	1mg/m ³	—	—
Copper phthalocyanine	—	—	—	>10,000mg/kg
C. I. Pigment Green 7	—	—	—	—
Butyl acetate	150ppm	150ppm	—	10,736mg/kg
Hydrotreated heavy naphtha	—	300ppm	—	—
2-Methyl-1-propanol	50ppm	50ppm	—	2,460mg/kg
1-Butanol	25ppm	20ppm	—	2,100mg/kg
1-Methoxy-2-propanol	—	100ppm	—	5,200mg/kg
2-Butoxyethanol	25ppm	20ppm	3	470mg/kg
2-Propanol	200ppm	200ppm	3	4,384mg/kg
Dimethyl ether	—	—	—	—

Information about Toxicity of Component:

Propellant has anesthesia.

Information about Toxicity of Product:

No additional remark

12. ECOLOGICAL INFORMATION

Suspected harmful to environment, so be careful with spilling and disposing.

13. DISPOSAL CONSIDERATIONS

Prior to burning, atomizing gas should be exhausted completely.

Waste paints and opened containers should be asked to dispose with licensed industrial waste treatment company.

In case of burning waste paints, paint should be absorbed by diatomaceous earth and then burn in small amount by open type furnace.

14. TRANSPORTATION INFORMATION

Common:

Transport and store according to general caution and instructions in before mentioned comment.

Land Transportation:

Transport this product in compliance with "Fire Service Act", "Industrial Safety and Health Act", and "Poisonous and Deleterious Substances Control Law", if any.

Maritime Transportation:

Maritime transportation should be in compliance with "Ship Safety Act" .

Air Transportation:

Air transportation should be in compliance with "Civil Aeronautics Act" .

UN No. 1950 Class 2.1

15. REGULATORY INFORMATION

High Pressure Gas Safety Act:

Exemptions

Industrial Safety and Health Act:

Enforcement Order of the Industrial Safety and Health Act:

Dangerous Substances (Inflammable Substances, flammable gases)

Ordinance on Prevention of Organic Solvent Poisoning:

Second-class organic solvents

Fire Service Act:

Dangerous Materials Class 4-2 (Inflammable Liquid, insoluble in cold water)

Ship Safety Act:

Dangerous Materials (High pressure gas)

Civil Aeronautics Act:

High pressure gas

Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.

16. OTHER INFORMATION

References

Raw Material Data Base (Japan Paint Manufacture Association)

Pocket Book of Solvents

Danger & Prevent of Calamity and Emergency List

IGSC

CAUTION

Estimations of this product with Dangerous and Hazardous are not enough, so be careful to use.