

Safety Data Sheet

1. PRODUCT AND MANUFACTURE INFORMATION

Product Name: Kabi Guard Spray [カビのガード]

Features : Mold prevention spray

Usage : Mold prevention such as bathroom, wall, closet

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

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2. HAZARDOUS IDENTIFICATION

GHS Classification

Aerosols	Hazard category 1
Acute toxicity (inhalation: gases)	Hazard category 4
Serious eye damages / eye irritation	Hazard category 2
Toxic to reproduction	Hazard category 1A
Specific target organ toxicity following single exposure	Hazard category 3
Specific target organ toxicity following repeated exposure	Hazard category 1

Labelling

Pictogram



Signal word

Danger

Hazard statement

Extremely flammable aerosol

Pressurized container: may burst if heated

Harmful if inhaled

Causes serious eye irritation

May damage fertility or the unborn child

May cause respiratory irritation

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

3. HAZARDOUS INGREDIENT

Component and concentration of dangerous and hazardous materials.

NAME	CAS No.	WT%	NOTE
Ethanol	64-17-5	70~80	
2-(4-Thiazolyl) benzimidazol	148-79-8	<0.1	
Dimethyl ether	115-10-6	10~20	
Propane	74-98-6	1~5	
Butane	106-97-8	1~5	
Isobutane	75-28-5	1~5	

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:

Wear proper protective equipment (Fireproof Clothes, Respiratory Protection Masks etc.).
Immediately remove flammables from around fires.
Use the specified fire extinguisher.
If aerosol containers are in the fire spot, there is danger of explosion.
Keep a safe distance from the fire spot, in fighting fire.
Cool aerosol containers exposed to high temperatures with water.

6. SPILL AND LEAK PROCEDURES

Wear proper protective equipments (Gloves, Protective Mask, Apron and Goggles) not to stick spray to skin or inhale gas.
Deal with from windward in spilling and leaking.
Take up and place in closed container and keep in safety zone.
Immediately remove the source of fire, high temperature things, and flammables.
Prepare a proper fire extinguisher for catching fire.
Collect using materials not to spark by shock and static electricity.
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.
Don't use fire, sparks and high temperature things around this materials.
Don't jet to the flames.
There is danger of explosion in storing under high temperatures.
Wear proper protective equipments not to inhale gas or not to stick to eyes, skin and clothes.
Use from windward as possible.
If used in tightly closed room, effective ventilation duct should be installed.
Wash & clean body, hands, mouth, eyes and face after using this materials.
Don't handle carelessly such as turning over, dropping, shocking, dragging about and so on.

Storage:

Keep away from direct sunlight, sparks, heat, areas over 40°C.

Keep away from high damp area, if not so cans may rust.

Store at the cool-dry, the well ventilated areas.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION**Equipment Requirement:**

Use non-spark closed type equipment.

Effective ventilation duct should be installed to prevent vapors from remaining.

Don't put high temperature and flammables around handling this materials.

Use this materials under effective supply and ventilation duct.

Respiration and Ventilation:

Respiratory Protection Mask for Organic Solvent Gasses

Eye Protection:

Protective Goggles

Skin Protection:

Gloves, Specified Clothes

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Color : Light yellow and transparent

Odor : Perfumed

	LIQUID DETERGENT	PROPELLANT
Boiling Point :	78°C	-42.1~-0.5°C
Vapor Pressure:	5866Pa (20°C)	0.545MPa (25°C)
Density :	0.796 (20°C)	0.610 (20°C)
pH :	Not applicable	Not applicable
Other :	Soluble in water	Slightly soluble in water

10. INFORMATION ABOUT DANGERS**Inflammability and explosion**

	LIQUID DETERGENT	PROPELLANT
Flash Point :	12°C	-102°C
Ignition Point :	365°C	350°C
Explosion Limit:	3.3-19%	1.5-27%

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
Ethanol	—	1000ppm	1	LD ₅₀ : 6, 200mg/kg (rat)
2-(4-Thiazolyl) benzimidazol	—	—	—	LD ₅₀ : 2, 080mg/kg (rat)
Dimethyl ether	—	—	—	—
Propane	—	1000ppm	—	—
Butane	—	1000ppm	—	—
Isobutane	—	250ppm	—	—

Information about Toxicity of Component:

Propellant has anesthesia.

If propellant stuck to skin, it may cause an inflammation or frostbite.

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)

Fire Service Act:

Dangerous Materials Class 4-Alcohols (Inflammable Liquid, soluble in cold water)

Ship Safety Act:

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

ICSC

CAUTION

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