

Date of issue: 2021/10/18

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: HP HIGH SPUTTER HP-3

Product code (SDS NO): 0655400Z007_E7-1

Details of the supplier of the safety data sheet

Manufacturer/Supplier: SUZUKAFINE CO., Ltd

Address: 1, SHIOHAMA-CHO, YOKKAICHI-CITY MIE 510-0851, JAPAN

Division: TECHNICAL RESEARCH & DEVELOPMENT DEPT.

Telephone number: +81-59-346-1116

FAX: +81-59-346-4585

2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

HEALTH HAZARDS

Specific target organ toxicity – single exposure: Category 2

Specific target organ toxicity – repeated exposure: Category 2

(Note) GHS classification without description: Not classified/Classification not possible

Label elements



Signal word: Warning

HAZARD STATEMENT

May cause damage to organs

May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENT

Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash contaminated parts thoroughly after handling.

Do not eat, drink or smoke when using this product.

Response

Get medical advice/attention if you feel unwell.

IF exposed or concerned: Call a POISON CENTER/doctor/physician.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local/national regulation.

3. Composition/information on ingredients

Mixture/Substance selection: Mixture

Ingredient name	Content (%)	CAS No.	Chemicals No, Japan
Isopropyl alcohol	<2.0	67-63-0	2-207
Diethanolamine	<1.0	111-42-2	2-302;2-354
Triethylamine	0.3	121-44-8	2-141

Note : The figures shown above are not the specifications of the product.

4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor/physician if you feel unwell.

IF ON SKIN (or hair)

When contact with skin, remove chemicals with clean/dry cloth as quickly as possible.

Never use solvent or thinner.

Wash with plenty of soap and water.

After contact with skin, seek medical advice immediately.

If you observe unusual symptom, have irritation/pain and/or feel unwell, seek medical advice.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Rinse in order to better reach all parts of eyes.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Do not let the person drink the vomit.

Do not induce vomiting without medical advice.

Keep casualty at rest and seek medical advice immediately.

Protective measures for first aid

Protect yourself by wearing rubber gloves and air-tight safety goggles.

Keep adequate ventilation.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Use appropriate extinguishing media suitable for surrounding facilities.

The product is non-flammable.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Wear proper protective equipment.

Evacuate non essential personnel.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

Methods and materials for containment and cleaning up

Fill the disposal into labeled, closable containers.

Consult an expert on the disposal of recovered material.

7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Do not breathe dust/fume/gas/mist/vapors/spray.

Safety Measures

Use only outdoors or in a well-ventilated area.

Any incompatibilities data is not available.

Advice on general occupational hygiene

Wash contaminated parts thoroughly after handling.

Do not eat, drink or smoke when using this product.

Storage

Conditions for safe storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

(Incompatible storage condition)

Protect from sunlight.

Container and packaging materials for safe handling data is not available.

8. Exposure controls/personal protection

Control parameters

Control value

(Isopropyl alcohol)

Japan control value (2004) ≤ 200 ppm

Adopted value

(Isopropyl alcohol)

JSOH(1987) (ceiling) 400ppm; 980mg/m³

(Isopropyl alcohol)

ACGIH(2001) TWA: 200ppm;

STEL: 400ppm (Eye & URT irr; CNS impair)

(Diethanolamine)

ACGIH(2009) TWA: 1mg/m³(IFV) (Liver & kidney dam)

(Triethylamine)

ACGIH(2015) TWA: 0.5ppm

STEL: 1ppm (Visual impair; URT irr)

Notation

(Diethanolamine)

Skin

(Triethylamine)

Skin

Exposure controls

Individual protection measures

Respiratory protection

Wear respiratory protection.

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Color: Clear, Pale yellow

Odor: amine odor

Melting point/Freezing point data is not available.

Boiling point or initial boiling point data is not available.

Boiling range data is not available.

Flammability (gases, liquids and solids) data is not available.

Lower and upper explosion limit/flammability limit data is not available.

Flash point data is not available.

Auto-ignition temperature data is not available.

Decomposition temperature data is not available.

pH: 8.0-10.0

Kinematic viscosity data is not available.

Solubility:

Solubility in water data is not available.

Solubility in solvent data is not available.

Solubility as solvent data is not available.

n-Octanol/water partition coefficient data is not available.

Vapor pressure data is not available.

Vapor density data is not available.

Density and/or relative density: 1.0-1.1g/cm³

Relative vapor density (Air=1) data is not available.

Particle characteristics data is not available.

10. Stability and Reactivity

Reactivity

Reactivity data is not available.

Chemical stability

Stable.

Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

Conditions to avoid

Conditions to avoid data is not available.

Incompatible materials

Incompatible materials data is not available.

Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Acute toxicity (Oral)

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

rat LD50=5480mg/kg (EHC 103, 1990)

(Diethanolamine)

rat LD50=2300mg/kg (SIDS, 2008)

(Triethylamine)

rat LD50=460mg/kg (ACGIH 7th, 2015 et al.)

Acute toxicity (Dermal)

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

rabbit LD50=12870mg/kg (EHC 103, 1990)

(Triethylamine)

rabbit LD50=420mg/kg (ACGIH 7th, 2015)

Acute toxicity (Inhalation)

[GHS Cat. Japan, base data]

(Triethylamine)

vapor: rat LC50=2600ppm/4hr (DFGOT vol.13, 1999)

Irritant properties

Skin corrosion/irritation

[GHS Cat. Japan, base data]

(Diethanolamine)

rabbit moderate irritation (SIDS, 2008)

(Triethylamine)

rabbit corrosive (DFGOT, vol.13, 1999)

Serious eye damage/irritation

[GHS Cat. Japan, base data]
(Isopropyl alcohol)
rabbit (PATTY 6th, 2012 et al)
(Diethanolamine)
rabbit severe irritation (SIDS, 2008)
(Triethylamine)
rabbit corrosive (DFGOT, vol.13, 1999)

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenicity

[GHS Cat. Japan, base data]
(Diethanolamine)
cat.2; IARC Gr. 2B (IARC, 2011)
(Isopropyl alcohol)
IARC-Gr.3 : Not Classifiable as a Human Carcinogen
(Diethanolamine)
IARC-Gr.2B : Possibly carcinogenic to humans
(Diethanolamine)
ACGIH-A3(2009) : Confirmed Animal Carcinogen with Unknown Relevance to Humans
(Isopropyl alcohol)
ACGIH-A4(2001) : Not Classifiable as a Human Carcinogen
(Triethylamine)
ACGIH-A4(2015) : Not Classifiable as a Human Carcinogen

Reproductive toxicity

[GHS Cat. Japan, base data]
(Isopropyl alcohol)
cat. 2; PATTY 6th, 2012
(Diethanolamine)
cat. 2; NTP TER 96001, 1999

STOT

STOT-single exposure

[cat.1]
[GHS Cat. Japan, base data]
(Isopropyl alcohol)
central nervous system; systemic toxicity (MOE risk assessment vol.6, 2005)
[cat.3 (resp. irrit.)]
[GHS Cat. Japan, base data]
(Isopropyl alcohol)
respiratory tract irritation (MOE risk assessment vol.6, 2005)
(Triethylamine)
respiratory tract irritation (ACGIH 7th, 2015; DFGOT vol.13, 1999)

STOT-repeated exposure

[cat.1]
[GHS Cat. Japan, base data]
(Isopropyl alcohol)
blood system (EHC 103, 1990)
[cat.2]
[GHS Cat. Japan, base data]
(Isopropyl alcohol)
respiratory system; liver; spleen (EHC 103, 1990)

Aspiration hazard data is not available.

12. Ecological Information

Ecotoxicity

Aquatic toxicity

Hazardous to the aquatic environment (Acute)

[GHS Cat. Japan, base data]

(Diethanolamine)

Crustacea (Daphnia) LC50=2.15mg/L/48hr (Aquire, 2012)

(Triethylamine)

Algae (Pseudokirchneriella subcapitata) ErC50=7.97mg/L/72hr (MOE Japan, 2008)

(Isopropyl alcohol)

Fish (Atheriniformes) LC50 >100mg/L/96hr (MOE Japan, 1997)

Hazardous to the aquatic environment (Long-term)

[GHS Cat. Japan, base data]

(Isopropyl alcohol)

Crustacea (Daphnia magna) NOEC >100mg/L/21days (MOE Japan, 1997)

Water solubility

(Diethanolamine)

very good (ICSC, 2002)

(Triethylamine)

17 g/100 ml (20°C) (ICSC, 2002)

(Isopropyl alcohol)

In water, infinitely soluble (25°C) (HSDB, 2013)

Persistence and degradability

(Diethanolamine)

TOC_Degradation : 96.7% (METI existing chemical safety inspections)

(Triethylamine)

BOD_Degradation : 34%, 25%, 26% (METI existing chemical safety inspections, 1990)

(Isopropyl alcohol)

Degrade rapidly (Degradation : 86% (METI existing chemical safety inspections, 1993))

Bioaccumulative potential

(Diethanolamine)

log Pow=-1.43 (PHYSROP DB, 2005)

(Triethylamine)

log Pow=1.45 (ICSC, 2002); BCF < 4.9 (Check & Review, Japan)

(Isopropyl alcohol)

log Pow=0.05 (ICSC, 1999)

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

Additional data

Prevent spills from entering sewers, watercourses or low areas.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Waste treatment methods

Avoid release to the environment.

Dispose of contents/container in accordance with local/national regulation.

14. Transport Information

Environmental hazards

MARPOL Annex III – Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

Rules and regulations on domestic transport

Not applicable to Ship Safety Act

Not applicable to Civil Aeronautics Act

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is not applicable to Toxic/harmful substances control law, Japan

Industrial Safety and Health Act, Japan

The product is not applicable to Specified Substances in Japan.

The product is not applicable to Organic Solvents control law, Japan

Chemical Substances requiring Labeling and Deliver of Documents, etc.

Labeling, etc.

Isopropyl alcohol

Report required substances

Diethanolamine; Isopropyl alcohol

The product is not applicable to Pollution Release and Transfer Register (PRTR) law, Japan

The product is not applicable to Fire Service Act, Japan

Chemical Substances Control Law, Japan

Priority Assessment Chemical Substances (PACSs)

Diethanolamine; Isopropyl alcohol; Triethylamine

Air Pollution Control Law, Japan

Hazardous air pollutants

Triethylamine

16. Other information

Reference Book

Globally Harmonized System of classification and labelling of chemicals, UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 21th edit., 2019 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39-18)

IATA Dangerous Goods Regulations (62nd Edition) 2021

2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2021 TLVs and BEIs. (ACGIH)

JIS Z 7252 : 2019

JIS Z 7253 : 2019

2020 Recommendation on TLVs (JSOH)

Supplier's data/information

Hazard Communication Standard – 2012 (29 CFR 1910.1200)

General Disclaimer

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

The GHS classification data given here is based on current Japan official data and Japan Paint Manufactures Association voluntary standards.