ASAHI GRAPHIC General Solvent,Asahi Graphic Corporation,
2025_General_Solvent_USFJ-2,Feb/12/2025

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Safety Data Sheet

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

Product identifier:

Product name: General Solvent

Product code (SDS NO): 2025_General_Solvent_USFJ-2

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the product: Industrial use

Uses advised against: Use for purposes other than recommended uses is prohibited.

Details of the supplier of the safety data sheet

Manufacturer/Supplier: Asahi Graphic Corporation

Address: KOHGA Bldg. 3F, 4-23-8 Ebisu, Shibuya-ku, Tokyo, 150-0013 Japan

Telephone number: +81-3-6878-8985

FAX: +81-3-5424-3018

Emergency telephone number: +81-3-6878-8985

Section 2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

PHYSICAL AND CHEMICAL HAZARDS

Flammable liquids: Category 3

HEALTH HAZARDS

Skin corrosion/irritation: Category 2

Serious eye damage/eye irritation: Category 2

Carcinogenicity: Category 1B

Reproductive toxicity: Category 1B

Specific target organ toxicity - single exposure: Category 2 (liver, nervous system, central nervous system, respiratory system, kidneys)

Specific target organ toxicity - single exposure: Category 3 (Narcotic effects)

Specific target organ toxicity - repeated exposure: Category 1 (central nervous system, respiratory system)

Specific target organ toxicity - repeated exposure: Category 2 (auditory organ, nervous system)

Aspiration hazard: Category 1

ENVIRONMENT HAZARDS

Hazardous to the aquatic environment, short-term (acute): Category 2

Hazardous to the aquatic environment, long-term (chronic): Category 2

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

Label elements

Signal word: Danger

HAZARD STATEMENT

H226 Flammable liquid and vapor

H315 Causes skin irritation

H319 Causes serious eye irritation

H350 May cause cancer

H360 May damage fertility or the unborn child

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H371 May cause damage to organs (liver, nervous system, central nervous system, respiratory system, kidneys)
H336 May cause drowsiness or dizziness
H372 Causes damage to organs through prolonged or repeated exposure (central nervous system, respiratory system)
H373 May cause damage to organs through prolonged or repeated exposure (auditory organ, nervous system)
H304 May be fatal if swallowed and enters airways
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENT

Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P273 Avoid release to the environment.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P264 Wash contaminated parts thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P270 Do not eat, drink or smoke when using this product.

Response

P370 + P378 In case of fire: Use appropriate media to extinguish.
P391 Collect spillage.
P321 Specific treatment is required.
P314 Get medical advice/attention if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a POISON CENTER/doctor/physician if you feel unwell.
P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/physician.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P331 Do NOT induce vomiting.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

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Section 3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

Ingredient name	CAS No.	Content (%)	ENCS
Solvent naphtha	64742-95-6	56	-
1,2,4-Trimethylbenzene	95-63-6	19	3-7; 3-3427
1,3,5-Trimethylbenzene	108-67-8	5	3-7; 3-3427
Xylene (Mixture of isomers)	1330-20-7	9	3-3; 3-60
Ethylbenzene	100-41-4	9	3-28; 3-60
Cumene	98-82-8	2	3-22

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

Components contributing to the hazard

Component(s) come under Labeling, etc. article of Industrial Safety and Health Act, Japan

Solvent naphtha , 1,2,4-Trimethylbenzene , 1,3,5-Trimethylbenzene , Xylene (Mixture of isomers) , Ethylbenzene , Cumene

Component(s) come under Deliver of Documents, etc. article of Industrial Safety and Health Act, Japan

Solvent naphtha , 1,2,4-Trimethylbenzene , 1,3,5-Trimethylbenzene , Xylene (Mixture of isomers) , Ethylbenzene , Cumene

Component(s) listed in chemicals Gr.1 in Japan PRTR Law.

1,2,4-Trimethylbenzene , 1,3,5-Trimethylbenzene , Xylene (Mixture of isomers) , Ethylbenzene , Cumene

Section 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)

Take off immediately all contaminated clothing. Rinse skin with water or shower.
Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.
Do NOT induce vomiting.
Immediately call a POISON CENTER/doctor/physician.

Most important symptoms and effects, both acute and delayed

(Symptoms when inhalation or ingestion)

Nausea, Headache, Drowsiness, Cough, Dizziness, Sore throat, Confusion

(Symptoms when skin and/or eye contact)

Dry skin, Conjunctival redness of the eyes

Indication of any immediate medical attention and special treatment needed

Specific treatment is required.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use water mist, foam, dry powder, CO2 to extinguish.

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Unsuitable extinguishing media

Do not use direct water jet.

Specific hazards arising from the substance or mixture

Will form toxic carbon oxides upon combustion.
Containers may explode when heated.
Vapors may form explosive mixtures with air.

Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.
Cool container with water spray.
Apply water from a safe distance to cool and protect surrounding area.
Prevent extinguishing water from entering sewers.

Special protective equipment and precautions for fire-fighters

Wear fire resistant or flame retardant clothing.
Wear protective gloves/protective clothing/eye protection/face protection.
Firefighters should wear self-contained breathing apparatus with a full facepiece operated in the positive pressure mode.

Section 6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Evacuate area.
Keep unauthorized personnel away.
Wear an air-supplied respirator for handling a spill at a poor ventilated workplace.
Wear proper protective equipment.
Eliminate all sources of ignition and ventilate the area.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.
Do not wash away into sewers or waterway.

Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.
For large spill, dike for later disposal.
Fill the disposal into labelled, closable containers.
Use clean non-sparking tools to collect absorbed material.

Preventive measures for secondary accident

Collect spillage.
Prepare extinguishers before catching fire.
Stop leak if safe to do so.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Prevent entry into waterways, sewers, basements or confined areas.

Section 7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Do not breathe mist/vapors/spray.

(Protective measures against fire and explosion)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use non-sparking tools.
Take action to prevent static discharges.

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(Exhaust/ventilator)
Exhaust/ventilator should be available.
(Safety treatments)
Avoid contact with skin.
Avoid contact with eyes.

Safety Measures
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.

Any incompatibilities
Strong oxidizing agents should not be mixed with the chemicals.

Advice on general occupational hygiene
Do not get in eyes, on skin, or on clothing.
Wash contaminated parts thoroughly after handling.
Do not eat, drink or smoke when using this product.
Take off contaminated clothing and wash it before reuse.
Wash hands thoroughly after handling.

Storage

Conditions for safe storage
Store in a well-ventilated place. Keep container tightly closed.
Keep cool. Protect from sunlight.
Store locked up.
(Incompatible storage condition)
Avoid heat and sources of ignition (flames, sparks, etc.).

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

Section 8. Exposure controls/personal protection

Control parameters

Control value and Concentration standard value
(Xylene (Mixture of isomers))
Japan control value 50ppm
(Ethylbenzene)
Japan control value 20ppm
(Cumene)
Concentration standard value TWA: 10ppm

Adopted value

The Japan Society for Occupational Health
(1,2,4-Trimethylbenzene)
25ppm; 120mg/m3
(1,3,5-Trimethylbenzene)
25ppm; 120mg/m3
(Xylene (Mixture of isomers))
50ppm; 217mg/m3
(Ethylbenzene)
20ppm; 87mg/m3 (skin)
(Cumene)
10ppm; 50mg/m3 (skin)

ACGIH
(1,2,4-Trimethylbenzene)
TWA: 10ppm (CNS impair; hematologic eff)

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(1,3,5-Trimethylbenzene)
TWA: 10ppm (CNS impair; hematologic eff)
(Xylene (Mixture of isomers))
TWA: 20ppm (Eye & URT irr; hematologic eff; ototoxicity; CNS impair)
(Ethylbenzene)
TWA: 20ppm (URT & eye irr; ototoxicity; kidney eff; CNS impair)
(Cumene)
TWA: 5ppm (URT adenoma; neurological eff)

Notation
(Xylene (Mixture of isomers))
OTO
(Ethylbenzene)
OTO

OSHA-PEL
(Cumene)
TWA: 50ppm, 245mg/m3
(Ethylbenzene)
TWA: 100ppm, 435mg/m3
(Xylene (Mixture of isomers))
TWA: 100ppm, 435mg/m3

NIOSH-REL
(Cumene)
TWA: 50ppm
(Ethylbenzene)
TWA: 100ppm; STEL:125ppm
(Xylene (Mixture of isomers))
TWA: 100ppm; STEL: 150ppm

California proposition 65

Cancer NSRL
(Ethylbenzene)
NSRL=54 μg/day (inhalation); 41 μg/day (oral)

Exposure controls

Appropriate engineering controls
Use in a location equipped with a general ventilation system or local exhaust ventilation system.
Eye wash station should be available.
Washing facilities should be available.

Individual protection measures

Respiratory protection
Wear respiratory protection.

Hand protection
Chemical protective gloves Recommended material(s): impermeable or chemical resistant rubber

Eye protection
Wear safety glasses with side-shields or chemical safety goggle.

Skin and body protection
Wear protective clothing.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid
Color: Colorless
Odor: Petroleum odor
Odor threshold data is not available.

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Melting point/Freezing point data is not available.
Boiling point or initial boiling point: 130℃
Boiling range data is not available.
Flammability (gases, liquids and solids): Flammable
Lower and upper explosion limit/flammability limit:
Lower explosion limit: 0.6vol %
Upper explosion limit: 7vol %
Flash point: 39℃(Closed Cup)
Auto-ignition temperature: 432℃
Decomposition temperature data is not available.
pH data is not available.
Dynamic viscosity: 20.1mPas(20℃)
Kinematic viscosity: 17.5mm2/s(40℃)
Solubility:
Solubility in water: Insoluble
Solubility in solvent data is not available.
n-Octanol/water partition coefficient data is not available.
Vapor pressure data is not available.
Density and/or relative density: 0.88(20℃)
Relative vapor density (Air=1): 4.1
Particle characteristics: Not applicable

Section 10. Stability and Reactivity

Reactivity
Reactivity data is not available.
Chemical stability
Stable under normal storage/handling conditions.
Possibility of hazardous reactions
Vapors may catch fire and explode.
Conditions to avoid
Avoid heat and sources of ignition (flames, sparks, etc.).
Incompatible materials
Strong oxidizing agents
Hazardous decomposition products
The following substances are produced by pyrolysis.
Carbon oxides

Section 11. Toxicological Information

The product has not been subjected to toxicological testing. Refer to the available data on the constituents.
Information on toxicological effects
Acute toxicity
Acute toxicity (Oral)
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
[NITE-CHRIP]
(1,2,4-Trimethylbenzene)
female rat LD50: 3280 mg/kg
(1,3,5-Trimethylbenzene)
rat LD50: 4300 - 8642 mg/kg

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(Xylene (Mixture of isomers))
rat LD50: 3500 - 8800 mg/kg
(Ethylbenzene)
rat LD50: 3500 - 4700 mg/kg
(Cumene)
rat LD50: 2700 mg/kg

Acute toxicity (Dermal)
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
[NITE-CHRIP]
(Xylene (Mixture of isomers))
rabbit LD50: 1700 mg/kg
(Ethylbenzene)
rabbit LD50: 15400 mg/kg
(Cumene)
rabbit LD50: > 3160 mg/kg

Acute toxicity (Inhalation)
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
[NITE-CHRIP]
(1,2,4-Trimethylbenzene)
mist: rat LC50: 18000 mg/m3 (4-hour)
(1,3,5-Trimethylbenzene)
mist: rat LC50: 4800 ppm (4-hour)
(Xylene (Mixture of isomers))
vapor: rat LC50: 6350 - 6700 ppm (4-hour)
(Ethylbenzene)
vapor: rat LC50: 4000 ppm (4-hour)
mist: rat LC50: 55 mg/L (2-hour) (converted 4-hour equivalent value: 27.5 mg/L)
(Cumene)
vapor: mouse LC50: 2000 ppm (7-hour) (converted 4-hour equivalent value: 2645 ppm)
mist: rat LC50: 39.3 mg/L (4-hour)

Irritant properties
Skin corrosion/irritation
[Product]
Category 2, Causes skin irritation
[Data for components of the product]
[NITE-CHRIP]
(1,2,4-Trimethylbenzene)
Category 2
(1,3,5-Trimethylbenzene)
Category 2
(Xylene (Mixture of isomers))
Category 2

Serious eye damage/irritation
[Product]
Category 2, Causes serious eye irritation
[Data for components of the product]
[NITE-CHRIP]
(1,2,4-Trimethylbenzene)
Category 2

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(1,3,5-Trimethylbenzene)
Category 2B
(Xylene (Mixture of isomers))
Category 2
(Ethylbenzene)
Category 2B
(Cumene)
Category 2B

Sensitization

Respiratory sensitization

[Product]
Classification not possible (Insufficient data available or no data available).

[Data for components of the product]
No data available.

Skin sensitization

[Product]
Classification not possible (Insufficient data available or no data available).

[Data for components of the product]
No data available.

Germ cell mutagenicity

[Product]
Classification not possible (Insufficient data available or no data available).

[Data for components of the product]
No data available.

Carcinogenicity

[Product]
Category 1B, May cause cancer

[Data for components of the product]
[NITE-CHRIP]
(Ethylbenzene)
Category 2
(Cumene)
Category 1B
[IARC]
(Xylene (Mixture of isomers))
Group 3 : Not classifiable as to its carcinogenicity to humans
(Ethylbenzene)
Group 2B : Possibly carcinogenic to humans
(Cumene)
Group 2B : Possibly carcinogenic to humans
[ACGIH]
(1,2,4-Trimethylbenzene)
A4: Not Classifiable as a Human Carcinogen
(Xylene (Mixture of isomers))
A4: Not Classifiable as a Human Carcinogen
(Ethylbenzene)
A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans
(Cumene)
A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans
[JSOH]
(Ethylbenzene)
Group 2B: The agents which are probably or possibly carcinogenic to humans

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(Cumene)
Group 2B: The agents which are probably or possibly carcinogenic to humans
[NTP]
(Cumene)
RAHC : Reasonably Anticipated to be Human Carcinogens
[EU]
(Solvent naphtha)
Category 1B; Substances presumed to have carcinogenic potential for humans
(Cumene)
Category 1B; Substances presumed to have carcinogenic potential for humans

Reproductive toxicity
[Product]
Category 1B, May damage fertility or the unborn child
[Data for components of the product]
[NITE-CHRIP]
(Xylene (Mixture of isomers))
Category 1B
(Ethylbenzene)
Category 1B

Specific target organ toxicity (STOT)
STOT-single exposure
[Product]
Category 2, May cause damage to organs
Category 3, May cause drowsiness or dizziness
[Data for components of the product]
[NITE-CHRIP]
(1,2,4-Trimethylbenzene)
Category 3 (Respiratory tract irritation), Category 3 (Narcotic effects)
(1,3,5-Trimethylbenzene)
Category 3 (Respiratory tract irritation), Category 3 (Narcotic effects)
(Xylene (Mixture of isomers))
Category 1 (liver, central nervous system, respiratory system, kidneys), Category 3 (Narcotic effects)
(Ethylbenzene)
Category 3 (Respiratory tract irritation), Category 3 (Narcotic effects)
(Cumene)
Category 1 (nervous system), Category 3 (Respiratory tract irritation), Category 3 (Narcotic effects)

STOT-repeated exposure
[Product]
Category 1, Causes damage to organs through prolonged or repeated exposure
Category 2, May cause damage to organs through prolonged or repeated exposure
[Data for components of the product]
[NITE-CHRIP]
(1,2,4-Trimethylbenzene)
Category 1 (central nervous system, respiratory system)
(1,3,5-Trimethylbenzene)
Category 1 (central nervous system, respiratory system)
(Xylene (Mixture of isomers))
Category 1 (nervous system, respiratory system)
(Ethylbenzene)
Category 1 (auditory organ, nervous system)

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(Cumene)
Category 2 (respiratory system)

Aspiration hazard

[Product]
Category 1, May be fatal if swallowed and enters airways

[Data for components of the product]
[NITE-CHRIP]
(1,2,4-Trimethylbenzene)
Category 1
(1,3,5-Trimethylbenzene)
Category 1
(Xylene (Mixture of isomers))
Category 1
(Ethylbenzene)
Category 1
(Cumene)
Category 1

Section 12. Ecological Information

The product has not been subjected to ecotoxicological testing. Refer to the available data on the constituents.

Toxicity

Aquatic toxicity

[Product]
Category 2, Toxic to aquatic life
Category 2, Toxic to aquatic life with long lasting effects

[Data for components of the product]
Hazardous to the aquatic environment, short-term (acute)
[NITE-CHRIP]
(1,2,4-Trimethylbenzene)
Fish (Pimephales promelas) 96-hour LC50: 7.72 mg/L
(1,3,5-Trimethylbenzene)
Crustacea (Daphnia magna) 48-hour EC50: 6 mg/L
Fish (Carassius auratus) 96-hour LC50: 12.5 mg/L
(Xylene (Mixture of isomers))
Fish (Oncorhynchus mykiss) 96-hour LC50: 3.3 mg/L
Crustacea (Palaemonetes pugio) 96-hour LC50: 7.4 mg/L
(Ethylbenzene)
Crustacea (Crangon franciscorum) 96-hour LC50: 0.42 mg/L
Fish (Morone saxatilis) 96-hour LC50: 3.7 mg/L
(Cumene)
Crustacea (Mysidopsis bahia) 96-hour LC50: 1.2 mg/L
Fish (Oncorhynchus mykiss) 96-hour LC50: 2.7 mg/L

Hazardous to the aquatic environment, long-term (chronic)
[NITE-CHRIP]
(1,3,5-Trimethylbenzene)
Crustacea (Daphnia magna) 21-day NOEC: 0.4 mg/L
(Xylene (Mixture of isomers))
Fish (Oncorhynchus mykiss) NOEC: >= 1.3 mg/L
(Ethylbenzene)
Crustacea (Ceriodaphnia dubia) 7-day NOEC: 0.956 mg/L

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(Cumene)
Algae (Desmodesmus subspicatus) 72-hour NOEC: 0.22 mg/L
Crustacea (Daphnia magna) 21-day NOEC: 0.35 mg/L

Water solubility

(1,2,4-Trimethylbenzene)
very poor (source: ICSC, 2002)
(1,3,5-Trimethylbenzene)
very poor (source: ICSC, 2002)
(Ethylbenzene)
0.015 g/100 mL (20℃) (source: ICSC, 2007)
(Cumene)
very poor (0.02 g/100 mL , 20℃) (source: ICSC, 2014)

Persistence and degradability

[Data for components of the product]
(1,2,4-Trimethylbenzene)
Not rapidly degradable (Degradation rate: 8.7% (by BOD)) (source: NITE)
(1,3,5-Trimethylbenzene)
Not rapidly degradable (Degradation rate: 0% (by BOD)) (source: NITE)
(Xylene (Mixture of isomers))
Not rapidly degradable (Degradation rate: 39% (by BOD)) (source: NITE)
(Ethylbenzene)
Not rapidly degradable (Degradation rate: 0% (by BOD)) (source: NITE)
(Cumene)
Not rapidly degradable (Degradation rate: 13%) (84/449/EEC) (source: NITE)

Bioaccumulative potential

[Data for components of the product]
(1,2,4-Trimethylbenzene)
log Pow: 3.8 (source: ICSC, 2002)
(1,3,5-Trimethylbenzene)
log Pow: 3.42 (source: ICSC, 2002)
(Xylene (Mixture of isomers))
log Pow: 3.16 (source: NITE)
(Ethylbenzene)
log Pow: 3.1 (source: ICSC, 2007)
(Cumene)
log Pow: 3.66 (source: NITE)

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

Section 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.
Dispose to an authorized waste collection point.
Do not dump into sewers, on the ground or into any body of water.

Contaminated packing

Dispose of container after using the contents completely.

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Section 14. Transport Information

UN No., UN CLASS

UN Number or ID Number : 1268
UN Proper Shipping Name :
PETROLEUM DISTILLATES, N.O.S or PETROLEUM PRODUCTS, N.O.S.
Class or division (Transport hazard class) : 3
Packing group : III
ERG GUIDE No.: 128
Special provisions No.: 223

IMDG Code (International Maritime Dangerous Goods Regulations)

UN Number or ID Number : 1268
UN Proper Shipping Name :
PETROLEUM DISTILLATES, N.O.S or PETROLEUM PRODUCTS, N.O.S.
Class or division (Transport hazard class) : 3
Packing group : III
Special provisions No.: 223; 955

IATA (Dangerous Goods Regulations)

UN Number or ID Number : 1268
UN Proper Shipping Name :
PETROLEUM DISTILLATES, N.O.S or PETROLEUM PRODUCTS, N.O.S.
Class or division (Transport hazard class) : 3
Hazard labels : Flamm. liquid
Packing group : III
Special provisions No.: A3

Environmental hazards

Marine pollutants (yes/no) : yes

Special precautions for user

Special precautions for user is not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

This product is not intended to be carried in bulk.

Rules and regulations on domestic transport

Ship Safety Act

Class 3 : Flammable liquids

Civil Aeronautics Act

Class 3 : Flammable liquids

Section 15. Regulatory Information

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

Poisonous and Deleterious Substances Control Law, Japan

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

Industrial Safety and Health Act, Japan

Specified chemicals Gr.2 Specific organic solvents

Ethylbenzene

Organic Solvents Class II

Contained Organic Solvents

Xylene (Mixture of isomers); Solvent naphtha

Chemical Substances requiring Labeling and Deliver of Documents, etc.

Labeling, etc.

Solvent naphtha; 1,2,4-Trimethylbenzene; 1,3,5-Trimethylbenzene; Xylene (Mixture of isomers); Ethylbenzene; Cumene

ASAHI GRAPHIC General Solvent,Asahi Graphic Corporation, 2025_General_Solvent_USFJ-2,Feb/12/2025

Report required substances

Solvent naphtha; 1,2,4-Trimethylbenzene; 1,3,5-Trimethylbenzene; Xylene (Mixture of isomers); Ethylbenzene; Cumene

Appended Table 1 Dangerous Substances (related to Article 1, 6, and 9-3)

Flammable (30℃ <= FP < 65℃)

Prevention of health problems guidelines published material, Japan

Ethylbenzene

Chemical substances that cause skin disorders, etc. (Regulation, Article 594-2)

Xylene (Mixture of isomers)

PRTR law, Japan

Listed chemicals Gr.1

Ethylbenzene(9.0%)[Ethylbenzene(9%)];
Trimethylbenzene(24%)[1,2,4-Trimethylbenzene(19%); 1,3,5-Trimethylbenzene(5%)];
Xylene(9.0%)[Xylene (Mixture of isomers)(9%)];
Cumene(2.0%)[Cumene(2%)]

Labor Standards Act, Japan

Chemical substances or compounds (including alloys) causing disease (Regulation, Appended Table 1-2-4-1)

Xylene (Mixture of isomers)

Fire Service Act, Japan

Hazardous materials

Petroleums Gr.2, (Class III) (Designated quantity 1,000L)

Chemical Substances Control Law, Japan

Priority Assessment Chemical Substances (PACSs)

1,2,4-Trimethylbenzene; Ethylbenzene; Xylene (Mixture of isomers); Cumene; 1,3,5-Trimethylbenzene

Offensive Odor Control Law, Japan

Xylene (Mixture of isomers)

Air Pollution Control Law, Japan

VOC

1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Xylene (Mixture of isomers)
Ethylbenzene
Cumene

Substances that may be classified as Hazardous Air Pollutants

Xylene (Mixture of isomers)
Ethylbenzene

Water Pollution Control Law, Japan

Listed substance(s)

Xylene (Mixture of isomers)

U.S. Toxic Substances Control Act (TSCA) Inventory

Chemicals listed in TSCA Inventory

1,2,4-Trimethylbenzene; Cumene; Ethylbenzene; 1,3,5-Trimethylbenzene; Xylene (Mixture of isomers); Solvent naphtha

Superfund Amendments and Reauthorizations Act (SARA), Title III

SARA 313 (TRI)

Cumene; Ethylbenzene; 1,2,4-Trimethylbenzene; Xylene (Mixture of isomers)

California proposition 65

WARNING: This product can expose you to chemical(s), which is(are) known to the State of California to cause cancer, and/or chemical(s), which is (are) known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov.

ASAHI GRAPHIC General Solvent,Asahi Graphic Corporation,
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Cancer

Cumene (Cancer)

Ethylbenzene (Cancer)

Section 16. Other information

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 23rd edit., 2023 UN
IMDG Code, 2024 Edition (Incorporating Amendment 42-24)
IATA Dangerous Goods Regulations (66th Edition) 2025
2020 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2025 TLVs and BEIs. (ACGIH)
JIS Z 7252 : 2019
JIS Z 7253 : 2019
2024 Recommendation on TLVs (JSOH)
Notification No. 0111-1 (January 11, 2022), Chemical Hazards Control Division, Industrial Safety and Health Department, Labour Standards Bureau, Ministry of Health, Labour and Welfare
Supplier's data/information
GESTIS-Stoffdatenbank
Pub Chem (OPEN CHEMISTRY DATABASE)

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 Data published in Japan (National Institute of Technology and Evaluation (NITE) Chemical Risk Information Platform (NITE-CHRIP), up to FY2023).