SAFETY DATA SHEET

JP-W306-FT

SECTION 1: Identification

1.1. Product identifier

TRADE NAME JP-W306-FT

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

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE: Industrial purposes

USES ADVISED AGAINST: None known.

1.3. Details of the supplier of the safety data sheet

COMPANY AND ADDRESS:

Hitachi Industrial Equipment & Solutions America, LLC
75 NW Point Blvd Suite D
60007 Elk Grove Village, IL
United States
+1 (800) 627-5464
https://mc.hitachi-iesa.com

SDS DATE	7/17/2025
SDS VERSION DATE	1.0
OF PREVIOUS VERSION	7/15/2025 (1.0)

1.4. Emergency telephone number

+1 (800) 424-9300

SECTION 2: Hazard(s) identification

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.1. Classification of the substance or mixture

Flam. Liq. 2; H225, Highly flammable liquid and vapour.
Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H336, May cause drowsiness or dizziness.
Repr. 1B; H360, May damage fertility or the unborn child.
STOT SE 2; H371, May cause damage to organs.

2.2. Label elements

HAZARD PICTOGRAM(S)

SIGNAL WORD: Danger

HAZARD STATEMENT(S):
Highly flammable liquid and vapour. (H225)
Causes serious eye irritation. (H319)
May cause drowsiness or dizziness. (H336)
May damage fertility or the unborn child. (H360)
May cause damage to organs. (H371)

PRECAUTIONARY STATEMENT(S)

General: If medical advice is needed, have product container or label at hand. (P101)

	Keep out of reach of children. (P102)
Prevention	Obtain special instructions before use. (P201) Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210) Keep container tightly closed. (P233) Do not breathe vapour/mist. (P260) Wash hands thoroughly after handling. (P264) Do not eat, drink or smoke when using this product. (P270) Use only outdoors or in a well-ventilated area. (P271) Wear eye protection/protective gloves. (P280)
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) IF exposed or concerned: Call a POISON CENTER/doctor (P308+P311) IF exposed or concerned: Get medical advice/attention. (P308+P313) Call a POISON CENTER/doctor if you feel unwell. (P312) If eye irritation persists: Get medical advice/attention. (P337+P313) In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)
Storage	Store in a well-ventilated place. Keep container tightly closed. (P403+P233) Store in a well-ventilated place. Keep cool. (P403+P235) Store locked up. (P405)
Disposal	Dispose of contents/container in accordance with local regulation. (P501)
ADDITIONAL LABELLING	Not applicable.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

PRODUCT/SUBSTANCE	IDENTIFIERS	% W/W	CLASSIFICATION	NOTE
Butanone	CAS No.: 78-93-3	60-80%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 Repeated exposure may cause skin dryness or cracking	
2-Butenedioic acid (2Z)-, polymer with chloroethene and ethenyl acetate	CAS No.: 9005-09-8	5-10%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	
methanol	CAS No.: 67-56-1	3-5%	Flam. Liq. 2, H225 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 STOT SE 1, H370 (SCL: 10.00 %) STOT SE 2, H371 (SCL: 3.00 %)	
N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone	CAS No.: 872-50-4	1-3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (SCL: 10.00 %) Repr. 1B, H360	
Lithium nitrate	CAS No.: 7790-69-4	1-3%	Ox. Sol. 3, H272 Acute Tox. 4, H302 Eye Irrit. 2, H319	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: First-aid measures

4.1. Description of first aid measures

GENERAL INFORMATION	If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
INHALATION	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
SKIN CONTACT	Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
EYE CONTACT	If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.
INGESTION	If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.
BURNS	Rinse with water until pain stops then continue to rinse for 30 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Highly flammable liquid and vapour.
In use may form flammable/explosive vapour-air mixture.
Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapours from spilled material.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.
Use explosion-proof [electrical/lighting/ventilating] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

RECOMMENDED STORAGE MATERIAL	Keep only in original packaging.
▼LIQUID CLASS	Flammable liquid / Class IB (NFPA 30)
STORAGE CONDITIONS	Dry, cool and well ventilated
INCOMPATIBLE MATERIALS	Reducing agents Strong oxidizing agents

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Butanone

Short term exposure limit (STEL) (ACGIH TLV) (ppm): 300
Short term exposure limit (STEL) (NIOSH REL) (ppm): 300
Long term exposure limit (OSHA Table Z-1) (mg/m^3): 590
Long term exposure limit (OSHA Table Z-1) (ppm): 200
Long term exposure limit (ACGIH TLV) (ppm): 200

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
Long term exposure limit (ACGIH TLV) (mg/m^3): 10
Long term exposure limit (NIOSH REL) (mg/m^3): Potential occupational carcinogen; (ultrafine particles) / 2.4 (fine) / 0.3 (ultrafine)

methanol
Short term exposure limit (STEL) (ACGIH TLV) (ppm): 250
Short term exposure limit (STEL) (NIOSH REL) (ppm): 250
Long term exposure limit (OSHA Table Z-1) (mg/m^3): 260
Long term exposure limit (OSHA Table Z-1) (ppm): 200
Long term exposure limit (ACGIH TLV) (ppm): 200

n-butyl acetate
Short term exposure limit (STEL) (NIOSH REL) (ppm): 200
Long term exposure limit (OSHA Table Z-1) (mg/m^3): 710
Long term exposure limit (OSHA Table Z-1) (ppm): 150

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

GENERAL RECOMMENDATIONS	Smoking, drinking and consumption of food is not allowed in the work area.
EXPOSURE SCENARIOS	There are no exposure scenarios implemented for this product.
EXPOSURE LIMITS	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
APPROPRIATE TECHNICAL MEASURES	The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.
HYGIENE MEASURES	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
MEASURES TO AVOID ENVIRONMENTAL EXPOSURE	Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

GENERALLY: Use only protective equipment with a recognized certification mark, e.g. the UL mark.

RESPIRATORY EQUIPMENT

TYPE	CLASS	COLOUR	STANDARDS	
No special when used as intended.				

SKIN PROTECTION

RECOMMENDED	TYPE/CATEGORY	STANDARDS	
No special when used as intended.	-	-	

HAND PROTECTION

MATERIAL	GLOVE THICKNESS (MM)	BREAKTHROUGH TIME (MIN.)	STANDARDS	
Butyl	0,3	> 240	EN374-2, EN16523-1, EN388	

EYE PROTECTION

TYPE	STANDARDS	
Safety glasses	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

PHYSICAL STATE	Liquid
COLOR	White
ODOR	Solvent
ODOR THRESHOLD (PPM)	No data available.
PH	No data available.
DENSITY (G/CM^3)	0.925
RELATIVE DENSITY	Not applicable - pH is not defined for non-aqueous systems
KINEMATIC VISCOSITY	No data available.
PARTICLE CHARACTERISTICS	Does not apply to liquids.

Phase changes

▼MELTING POINT/FREEZING POINT (°F)	-
MELTING POINT/FREEZING POINT (°C)	-94.00
SOFTENING POINT/RANGE (°F)	Does not apply to liquids.
▼BOILING POINT (°F)	-
▼BOILING POINT (°C)	80
VAPOR PRESSURE	No data available.
RELATIVE VAPOR DENSITY	No data available.
DECOMPOSITION TEMPERATURE (°F)	No data available.

Data on fire and explosion hazards

▼FLASH POINT (°F)	-
FLASH POINT (°C)	-7
FLAMMABILITY (°F)	The material is ignitable.
AUTO-IGNITION TEMPERATURE (°F)	No data available.
EXPLOSION LIMITS (% V/V)	No data available.

Solubility

SOLUBILITY IN WATER	No data available.
N-OCTANOL/WATER COEFFICIENT (LOGKOW)	No data available.
SOLUBILITY IN FAT (G/L)	No data available.

9.2. Other information

OTHER PHYSICAL AND CHEMICAL PARAMETERS	No data available.
OXIDIZING PROPERTIES	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies
None known.

10.4. Conditions to avoid
Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.
Extremes of temperature
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Moisture

10.5. Incompatible materials
Reducing agents
Strong oxidizing agents

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/irritation
Causes serious eye irritation.

Respiratory sensitisation
Based on available data, the classification criteria are not met.

Skin sensitisation
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

Reproductive toxicity
May damage fertility or the unborn child.

STOT-single exposure
May cause drowsiness or dizziness.
May cause damage to organs.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

Long term effects
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.
Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin,

sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Other information

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] has been classified by IARC as a group 2B carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

Butanone is listed with EPA Hazardous Waste Number: U159
methanol is listed with EPA Hazardous Waste Number: U154

Specific labelling

Contaminated packing

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN PROPER SHIPPING NAME	14.3 HAZARD CLASS(ES)	14.4 PG*	14.5 ENV**	OTHER INFORMATION:
DOT	UN1210	PRINTING INK	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1210	PRINTING INK	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	Limited quantities: 5 L EmS: F-E S-D See below for

	14.1 UN / ID	14.2 UN PROPER SHIPPING NAME	14.3 HAZARD CLASS(ES)	14.4 PG*	14.5 ENV**	OTHER INFORMATION:
						additional information .
IATA	UN1210	PRINTING INK	Transport hazard class: 3 Label: 3 Classification code: F1 	II	No	See below for additional information .

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.
DOT / See § 172.101 Hazardous Materials Table for any information on special provisions, requirements, or warnings in connection with transport. See § 172.602, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

15.2. U.S. Federal regulations

TSCA (THE NON-CONFIDENTIAL PORTION)	Butanone is listed titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] is listed 2-Butenedioic acid (2Z)-, polymer with chloroethene and ethenyl acetate is listed methanol is listed N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone is listed Lithium nitrate is listed n-butyl acetate is listed
CLEAN AIR ACT	methanol is regulated as a hazardous air pollutant (HAPS)
EPCRA SECTION 302	None of the components are listed
EPCRA SECTION 304	None of the components are listed
EPCRA SECTION 313	methanol is listed N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone is listed
CERCLA	Butanone is regulated with a Reportable Quantity (RQ) of: 5000 pounds methanol is regulated with a Reportable Quantity (RQ) of: 5000 pounds n-butyl acetate is regulated with a Reportable Quantity (RQ) of: 5000 pounds
HAZARDOUS CHEMICAL INVENTORY REPORTING	This product is subject to Tier II reporting.

State regulations

CALIFORNIA / PROP. 65	methanol is known to cause: Developmental Toxicity NSRL/MADL (µg/day): 47,000 (inhalation) 23,000 (oral)

	— N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone is known to cause: Developmental Toxicity NSRL/MADL (µg/day): 3200 (inhalation) 17000 (dermal)
	—
MASSACHUSETTS / RIGHT TO KNOW ACT	Butanone is listed titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] is listed methanol is listed N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone is listed n-butyl acetate is listed
NEW JERSEY / RIGHT TO KNOW ACT	Butanone / Substance number: 1258 Butanone is on the Special Health Hazard Substance List
	— titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] / Substance number: 1861
	— methanol / Substance number: 1222 methanol is on the Special Health Hazard Substance List
	— N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone / Substance number: 3716 N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone is on the Special Health Hazard Substance List
	— Lithium nitrate / Substance number: 1130
	— n-butyl acetate / Substance number: 1329 n-butyl acetate is on the Special Health Hazard Substance List
	—
NEW YORK / RIGHT TO KNOW ACT	Butanone is listed Butanone is regulated with a Reportable Quantity (RQ) of: 5000 pounds Butanone is regulated with a Treshold Reporting Quantity (TRQ) of: 10 pounds
	— titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] is listed titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] is regulated with a Treshold Reporting Quantity (TRQ) of: 100 pounds
	— methanol is listed methanol is regulated with a Reportable Quantity (RQ) of: 5000 pounds methanol is regulated with a Treshold Reporting Quantity (TRQ) of: 10 pounds
	— Lithium nitrate is listed Lithium nitrate is regulated with a Treshold Reporting Quantity (TRQ) of: 1 pounds
	— n-butyl acetate is listed n-butyl acetate is regulated with a Reportable Quantity (RQ) of: 5000 pounds n-butyl acetate is regulated with a Treshold Reporting Quantity (TRQ) of: 10 pounds
	—
PENNSYLVANIA / RIGHT TO KNOW ACT	Butanone is listed Butanone is hazardous to the environment (E)
	— titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] is listed
	— methanol is listed methanol is hazardous to the environment (E)
	— N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone is listed
	—

n-butyl acetate is listed
n-butyl acetate is hazardous to the environment (E)

—

15.4. Restrictions for application
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

15.5. Demands for specific education
No specific requirements.

15.6. Additional information
Not applicable.

15.7. Chemical safety assessment
No

15.8. Sources
OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3
H225, Highly flammable liquid and vapour.
H272, May intensify fire; oxidiser.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H311, Toxic in contact with skin.
H315, Causes skin irritation.
H319, Causes serious eye irritation.
H331, Toxic if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H360, May damage fertility or the unborn child.
H370, Causes damage to organs.
H371, May cause damage to organs.
Repeated exposure may cause skin dryness or cracking, Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1
None known.

Abbreviations and acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration

PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TSCA = The Toxic Substances Control Act
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

Else Super

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: US-en