

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations


Printing date: July 23, 2018

Revision: July 23, 2018

1 Identification

- **Product identifier**
- **Trade name:** CCASA-WFT
CARB COMPLIANT ADHESIVE WEB FAST TACK
- **Product code:** 5131
- **Recommended use and restriction on use**
- **Recommended use:** Industrial uses.
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
DURO DYNE CORPORATION
81 Spence Street
Bay Shore, NY 11706
800-899-3876
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Aerosol 1 H222 Extremely flammable aerosol.
Press. Gas H280 Contains gas under pressure; may explode if heated.
Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**

GHS02 GHS04 GHS07 GHS08
- **Signal word:** Danger
- **Hazard statements:**
H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

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H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing mist, vapors, or spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P302+P352 If on skin: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

Chemical characterization: Mixtures**Components:**

| | | |
|----------|--------------------------------------|---------|
| 67-64-1 | Acetone | 20-40% |
| | Flam. Liq. 2, H225 | |
| | Eye Irrit. 2A, H319; STOT SE 3, H336 | |
| 106-97-8 | butane | 10-20% |
| | Flam. Gas 1, H220 | |
| | Press. Gas, H280 | |
| 79-20-9 | Methyl acetate | 10-20% |
| | Flam. Liq. 2, H225 | |
| | Eye Irrit. 2A, H319; STOT SE 3, H336 | |
| 74-98-6 | Propane | 10-20% |
| | Flam. Gas 1, H220 | |
| | Press. Gas, H280 | |
| 115-10-6 | dimethyl ether | 2.5-10% |
| | Flam. Gas 1, H220 | |

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| | | |
|------------|---|---------|
| | Press. Gas, H280 | |
| 64742-49-0 | Naphtha (petroleum), hydrotreated light (Nota P, <0.1% benzene) Flam. Liq. 2, H225 Asp. Tox. 1, H304 | 2.5-10% |
| 98-56-6 | 4-chloro- α,α,α -trifluorotoluene Flam. Liq. 3, H226 Skin Sens. 1B, H317 | 2.5-10% |
| 142-82-5 | heptane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315; STOT SE 3, H336 Eye Irrit. 2B, H320 | 1-2.5% |
| 108-87-2 | methylcyclohexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315; STOT SE 3, H336 | 0.1-1% |

Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

Description of first aid measures**After inhalation:**

Supply fresh air.

Provide oxygen treatment if affected person has difficulty breathing.

If experiencing respiratory symptoms: Call a poison center/doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Unlikely route of exposure.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

Most important symptoms and effects, both acute and delayed:

Breathing difficulty

Dizziness

Coughing

Allergic reactions

Gastric or intestinal disorders when ingested.

Irritant to skin and mucous membranes.

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Causes eye irritation.

Headache

Disorientation

· Danger:

Danger of impaired breathing.

Harmful if swallowed.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

· Indication of any immediate medical attention and special treatment needed:

If swallowed or in case of vomiting, danger of entering the lungs.

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

Later observation for pneumonia and pulmonary edema.

Contains 4-chloro- α,α,α -trifluorotoluene. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

· Extinguishing media**· Suitable extinguishing agents:**

Water spray

Water fog / haze

Alcohol resistant foam

Carbon dioxide

Gaseous extinguishing agents

· For safety reasons unsuitable extinguishing agents: Water stream.**· Special hazards arising from the substance or mixture**

Danger of receptacles bursting because of high vapor pressure if heated.

Extremely flammable aerosol.

During heating or in case of fire poisonous gases are produced.

· Advice for firefighters**· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· Additional information:

Eliminate all ignition sources if safe to do so.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

Cool endangered receptacles with water in flooding quantities.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Isolate area and prevent access.

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

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Protect from heat.

- **Environmental precautions**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

- **Methods and material for containment and cleaning up**

Allow to evaporate.

In case of leaking material, use absorbent to contain leak. Rinse thoroughly with water.

Send for recovery or disposal in suitable receptacles.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- **Handling**

- **Precautions for safe handling:**

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

- **Information about protection against explosions and fires:**

Danger of receptacles bursting because of high vapor pressure if heated.

Emergency cooling must be available in case of nearby fire.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

- **Conditions for safe storage, including any incompatibilities**

- **Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

- **Further information about storage conditions:**

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

67-64-1 AcetonePEL (USA) Long-term value: 2400 mg/m³, 1000 ppmREL (USA) Long-term value: 590 mg/m³, 250 ppmTLV (USA) Short-term value: 1187 mg/m³, 500 ppmLong-term value: 594 mg/m³, 250 ppm
BEI

EL (Canada) Short-term value: 500 ppm

Long-term value: 250 ppm

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| | |
|--------------------------------|---|
| EV (Canada) | Short-term value: 750 ppm Long-term value: 500 ppm |
| LMPE (Mexico) | Short-term value: 750 ppm Long-term value: 500 ppm A4, IBE |
| 106-97-8 butane | |
| REL (USA) | Long-term value: 1900 mg/m ³ , 800 ppm |
| TLV (USA) | Short-term value: 2370 mg/m ³ , 1000 ppm (EX) |
| EL (Canada) | Short-term value: 750 ppm Long-term value: 600 ppm |
| EV (Canada) | Long-term value: 800 ppm revoked as of 01/01/18 |
| LMPE (Mexico) | Long-term value: 1000 ppm |
| 79-20-9 Methyl acetate | |
| PEL (USA) | Long-term value: 610 mg/m ³ , 200 ppm |
| REL (USA) | Short-term value: 760 mg/m ³ , 250 ppm Long-term value: 610 mg/m ³ , 200 ppm |
| TLV (USA) | Short-term value: 757 mg/m ³ , 250 ppm Long-term value: 606 mg/m ³ , 200 ppm |
| EL (Canada) | Short-term value: 250 ppm Long-term value: 200 ppm |
| EV (Canada) | Short-term value: 755 mg/m ³ , 250 ppm Long-term value: 605 mg/m ³ , 200 ppm |
| LMPE (Mexico) | Short-term value: 250 ppm Long-term value: 200 ppm |
| 74-98-6 Propane | |
| PEL (USA) | Long-term value: 1800 mg/m ³ , 1000 ppm |
| REL (USA) | Long-term value: 1800 mg/m ³ , 1000 ppm |
| TLV (USA) | refer to Appendix F in TLVs&BEIs book; D, EX |
| EL (Canada) | Long-term value: 1000 ppm |
| EV (Canada) | Long-term value: 1,000 ppm revoked as of 01/01/18 |
| LMPE (Mexico) | Long-term value: 1000 ppm |
| 115-10-6 dimethyl ether | |
| WEEL (USA) | Long-term value: 1000 ppm |
| EL (Canada) | Long-term value: 1000 ppm |
| 142-82-5 heptane | |
| PEL (USA) | Long-term value: 2000 mg/m ³ , 500 ppm |
| REL (USA) | Long-term value: 350 mg/m ³ , 85 ppm Ceiling limit value: 1800* mg/m ³ , 440* ppm *15-min |
| TLV (USA) | Short-term value: 2050 mg/m ³ , 500 ppm |

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| | |
|--|--|
| EL (Canada) | Long-term value: 1640 mg/m ³ , 400 ppm Short-term value: 500 ppm Long-term value: 400 ppm |
| EV (Canada) | Short-term value: 2045 mg/m ³ , 500 ppm Long-term value: 1635 mg/m ³ , 400 ppm |
| LMPE (Mexico) | Short-term value: 500 ppm Long-term value: 400 ppm |
| 108-87-2 methylcyclohexane | |
| PEL (USA) | Long-term value: 2000 mg/m ³ , 500 ppm |
| REL (USA) | Long-term value: 1600 mg/m ³ , 400 ppm |
| TLV (USA) | Long-term value: 1610 mg/m ³ , 400 ppm |
| EL (Canada) | Long-term value: 400 ppm |
| EV (Canada) | Long-term value: 1,600 mg/m ³ , 400 ppm |
| LMPE (Mexico) | Long-term value: 400 ppm |
| Ingredients with biological limit values: | |
| 67-64-1 Acetone | |
| BEI (USA) | 50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific) |

Exposure controls

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.

• **Engineering controls:** Provide adequate ventilation.

Breathing equipment:

Wear appropriate NIOSH respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Gloves should provide protection from freezing temperatures.

Eye protection:



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

• **Body protection:** Protective work clothing

• **Limitation and supervision of exposure into the environment**

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No relevant information available.

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· **Risk management measures** No relevant information available.

9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form:

Aerosol

Color:

According to product specification

· Odor:

Characteristic

· Odor threshold:

Not determined.

· pH-value:

Not determined.

· Melting point/Melting range:

Not applicable, as aerosol.

· Boiling point/Boiling range:

Not applicable, as aerosol.

· Flash point:

Extremely flammable aerosol.

· Flammability (solid, gaseous):

Not applicable.

· Auto-ignition temperature:

Not determined.

· Decomposition temperature:

Not determined.

· Danger of explosion:

Not determined.

· Explosion limits

Lower:

2.3 Vol %

Upper:

11.9 Vol %

· Oxidizing properties:

Not determined.

· Vapor pressure at 20 °C (68 °F):

45-65 psig

· Density:

Relative density:

0.885

Vapor density:

Not determined.

Evaporation rate:

Not applicable.

· Solubility in / Miscibility with

Water:

Partly miscible.

· Partition coefficient (n-octanol/water):

Not determined.

· Viscosity

Dynamic:

Not determined.

Kinematic:

Not determined.

· Other information

No relevant information available.

10 Stability and reactivity

· **Reactivity:** No relevant information available.

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- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions**
Develops readily flammable gases / fumes.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
Extremely flammable aerosol.
Reacts violently with oxidizing agents.
Reacts with strong acids and alkali.
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials**
Oxidizers
Strong acids
- **Hazardous decomposition products**
Under fire conditions only:
Carbon monoxide and carbon dioxide
Danger of toxic fluorine based pyrolysis products.

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:** Harmful if swallowed.
 - **LD/LC50 values that are relevant for classification:**
- | | | |
|-----------------------------------|---------|-------------------------------|
| 142-82-5 heptane | | |
| Oral | LD50 | >5,000 mg/kg (rat) (Estimate) |
| 108-87-2 methylcyclohexane | | |
| Oral | LD50 | 2,250 mg/kg (mouse) |
| 71-43-2 benzene | | |
| Oral | LD50 | 4,894 mg/kg (rat) |
| Inhalative | LC50/4h | 9,980 mg/l (mouse) |
- **Primary irritant effect:**
 - **On the skin:** Irritant to skin and mucous membranes.
 - **On the eye:** Irritating effect.
 - **Sensitization:** Sensitization possible through skin contact.
 - **IARC (International Agency for Research on Cancer):**
Present in trace quantities.

| | | |
|----------|--------------|----|
| 75-07-0 | acetaldehyde | 2B |
| 71-43-2 | benzene | 1 |
| 100-41-4 | ethylbenzene | 2B |

- **NTP (National Toxicology Program):**
Present in trace quantities.

| | | |
|---------|--------------|---|
| 75-07-0 | acetaldehyde | R |
| 71-43-2 | benzene | K |

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- **OSHA-Ca (Occupational Safety & Health Administration):**

Present in trace quantities.

| | |
|---------|---------|
| 71-43-2 | benzene |
|---------|---------|

- **Probable route(s) of exposure:**

Inhalation.

Eye contact.

Skin contact.

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

- **STOT-single exposure:** May cause drowsiness or dizziness.

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

- **Aspiration hazard:** May be fatal if swallowed and enters airways.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity**

Toxic to aquatic life with long lasting effects.

| |
|--|
| 98-56-6 4-chloro- α,α,α -trifluorotoluene |
|--|

| | |
|----------------|----------------------|
| EC50 (dynamic) | 3 mg/kg (zebra fish) |
|----------------|----------------------|

- **Persistence and degradability** No relevant information available.

- **Bioaccumulative potential:** No relevant information available.

- **Mobility in soil:** No relevant information available.

- **Additional ecological information**

- **General notes:** Do not allow product to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Contact waste processors for recycling information.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

| | |
|---|--|
| · UN-Number | UN1950 |
| · DOT, ADR, IMDG, IATA | |
| · UN proper shipping name | |
| · DOT | Aerosols |
| · ADR, IMDG | AEROSOLS |
| · IATA | Aerosols, flammable |
| · Transport hazard class(es) | |
| · DOT | |
|  | |
| · Class | 2.1 |
| · Label | 2.1 |
| · ADR | |
|  | |
| · Class | 2 5F |
| · Label | 2.1 |
| · IMDG, IATA | |
|  | |
| · Class | 2.1 |
| · Label | 2.1 |
| · Packing group | Aerosols are not assigned a packing group. |
| · Environmental hazards | Product contains environmentally hazardous substances: heptane, 4-chloro- α,α,α -trifluorotoluene |
| · Marine pollutant: | |
|  Yes | |
| · Special precautions for user | Warning: Gases |
| · Danger code (Kemler): | - |
| · EMS Number: | F-D,S-U |
| · Segregation groups | Liquid halogenated hydrocarbons |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

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· **Transport/Additional information:**

· **DOT**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· **ADR**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· **IMDG**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· **IATA**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

| | | |
|----------|----------------|-------|
| 106-97-8 | butane | 10000 |
| 74-98-6 | Propane | 10000 |
| 115-10-6 | dimethyl ether | 10000 |
| 75-07-0 | acetaldehyde | 10000 |

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- **Proposition 65 (California)**
- **Chemicals known to cause cancer:**
Present in trace quantities.

| | |
|----------|--------------|
| 75-07-0 | acetaldehyde |
| 71-43-2 | benzene |
| 100-41-4 | ethylbenzene |

- **Chemicals known to cause developmental toxicity for females:**
None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity for males:**
Present in trace quantities.

| | |
|---------|---------|
| 71-43-2 | benzene |
|---------|---------|

- **Chemicals known to cause developmental toxicity:**
Present in trace quantities.

| | |
|----------|----------|
| 71-43-2 | benzene |
| 67-56-1 | methanol |
| 108-88-3 | Toluene |

- **EPA (Environmental Protection Agency):**

| | | |
|----------|---------|---|
| 67-64-1 | Acetone | I |
| 142-82-5 | heptane | D |

- **IARC (International Agency for Research on Cancer):**
Present in trace quantities.

| | | |
|----------|--------------|----|
| 75-07-0 | acetaldehyde | 2B |
| 71-43-2 | benzene | 1 |
| 100-41-4 | ethylbenzene | 2B |

- **Canadian Domestic Substances List (DSL) (Substances not listed.):**
All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio-accumulable, Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health Administration
Flam. Gas 1: Flammable gases – Category 1
Flam. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2

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Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1

• Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

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Safety Data Sheets, Individual Manufacturers

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