

SAFETY DATA SHEET

ACCORDING TO HAZARDOUS SUBSTANCES AND NEW ORGANISMS ACT (HSNO 1996) & GHS REV 5 (2013)

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name : Bioquell HPV-AQ
Chemical Name : Hydrogen Peroxide Solution 35%
Molecular Formula : H₂O₂
Type of Product : Mixture
NZ HSNO Approval Number : HSR001326

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

Identified use(s) : To be used in conjunction only with Bioquell Hydrogen Peroxide Vapour Generating Equipment.
Product is for professional use only

1.3 Details of the Supplier

1.3.1 Details of the supplier of the Safety Data Sheet

Company Identification : Bioquell UK Limited
Address : 52 Royce Close
West Portway
Andover
Hampshire, UK
SP10 3TS
Telephone : +44 (0) 1264 835 835
Fax : +44 (0) 1264 835 836
E-mail (details of responsible persons within individual countries) : <http://www.bioquell.com/en-uk/contact/distributors/>

1.3.2 Details of New Zealand Supplier

Company Identification : Biodecon Ltd
Address : 5 Argus Place
Glenfield
Auckland 0627
New Zealand
Telephone : +64 9 442 4025
Fax : +64 9 443 5481
E-mail : Info@biodecon.co.nz

1.4 Emergency telephone number

Emergency telephone number : New Zealand: +64 800 451719
Australia (Toll-Free): +61 1 800 686 951
USA: 1-760-476-3961
Use access code: 333809

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 HSNO (1996) : Oxidising liquid, medium: 5.1.1B
Acute toxic, harmful, oral/inhalation: 6.1D
Specific organ toxic, harmful: 6.9B
Skin corrosive, PGII: 8.2B
Eye corrosive: 8.3A
Aquatic toxic, biocide: 9.1D
Vertebrate toxic, harmful: 9.3C

2.2 Label elements

2.2.1 Label elements

Name(s) on Label

Hazardous components

Signal Word

- : According to HSNO (1996) & UN GHS 5th revised edition
- : Bioquell HPV-AQ
- : Hydrogen peroxide (35%)
- : DANGER

Hazard Pictogram



Hazard statement(s)

- : **H272:** May intensify fire; oxidizer.
- H302:** Harmful if swallowed
- H315:** Causes skin irritation
- H332:** Harmful if inhaled
- H318:** Causes serious eye damage
- H335:** May cause respiratory irritation
- H412:** Harmful to aquatic life with long lasting effects
- H433:** Harmful to terrestrial vertebrates.

Precautionary statement(s)

Prevention

- : **P210:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P220:** Keep away from clothing and other combustible materials.
- P221:** Take any precaution to avoid mixing with combustibles.
- P260:** Do not breathe gas/mist/vapours/spray.
- P264:** Wash hands thoroughly after handling.
- P270:** Do not eat, drink or smoke when using this product
- P273:** Avoid release of liquid to the environment
- P280:** Wear protective gloves/eye protection/face protection.
- : **P310:** Immediately call a POISON CENTRE or doctor/physician
- P330:** Rinse mouth.
- P363:** Wash contaminated clothing before reuse.
- P301 + P330 + P331:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P301 + P312:** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302 + P352:** IF ON SKIN: Wash with plenty of soap and water.
- P303 + P361 + P353:** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340:** IF INHALED: Remove person to fresh air and keep at rest in a position 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.
- : **P405:** Store locked up.
- P501:** Dispose of contents / container in accordance with EWC160903, or applicable local regulations

Response

Storage & Disposal

2.3 Other hazards

- : None

2.4 Additional Information

- : None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

3.1.1 Concentration

| | |
|---|----------------|
| Substance Name: | Concentration: |
| Hydrogen peroxide solution | Ca. 35% |
| CAS-No.: 7722-84-1 / EC-No.:231-765-0 / Index-No.: 008-003-00-9 | |

Classification according to HSNO (1996) & GHS 5th revised edition

| Hazardous ingredient(s) | Hazard Class | Hazard Category | Route of exposure | H Phrases | HSNO Hazard classes |
|---------------------------------------|--|-----------------|-------------------|-----------|---|
| Hydrogen peroxide solution 35% | Oxidising liquid | Category 2 | | H272 | Oxidising liquid, medium: 5.1.1B Acute toxic, harmful, oral/inhalation: 6.1D Specific organ toxic, harmful: 6.9B Skin corrosive, PGI: 8.2B Eye corrosive: 8.3A Aquatic toxic, biocide: 9.1D Vertebrate toxic, harmful: 9.3C |
| | Acute toxicity | Category 4 | Inhalation | H332 | |
| | Acute toxicity | Category 4 | Oral | H302 | |
| | Skin irritant | Category 2 | | H315 | |
| | Serious eye damage | Category 1 | | H318 | |
| | Specific target organ toxicity – single exposure | Category 3 | Inhalation | H335 | |
| | Chronic aquatic toxicity | Category 3 | | H412 | |
| | Vertebrate toxicity | Category 3 | | H433 | |

3.2 Additional Information : For full text of H/P phrases see section 2.

SECTION 4. FIRST AID MEASURES



First aiders should refer to section 8 for appropriate PPE

4.1 Description of first aid measures

If inhaled

: Move the exposed person to fresh air immediately. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison centre or doctor for further treatment advice.

In case of skin contact

: Wash with plenty of water and soap.
Remove and wash contaminated clothing before re-use.
If symptoms persist seek immediate medical attention.

In case of eye contact

: Seek immediate medical attention.
Eyes should be washed immediately with plenty of water, also under the eyelids for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

If swallowed

: Seek immediate medical attention.
Rinse mouth and, if conscious, give 2 glasses of water. Never give anything by mouth to an unconscious person.
DO NOT INDUCE VOMITING.
Oxygen or artificial respiration if needed.

- 4.2 Most important symptoms and effects, both acute and delayed**
- Inhalation : Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough
Risk of: Nose bleeding, chronic bronchitis.
- Skin Contact : Irritation
Risk of: Burn, erythema, blisters or even necrosis.
- Eye Contact : Severe eye irritation
Risk of serious damage to eyes
Symptoms: Redness, Lachrymation, swelling of tissue.
- Ingestion : Severe irritation
Symptoms: Nausea, Abdominal pain, Vomiting, Diarrohea, Risk of chemical pneumonitis from product inhalation
- 4.3 Indication of immediate medical attention and special treatment needed** : Consult with an ophthalmologist immediately in all cases.
If accidentally swallowed obtain immediate medical attention.
When symptoms persist or in all cases of doubt, seek medical attention. Because of the likelihood of corrosive effects on the gastrointestinal tract after ingestion, attempts at evacuating the stomach via emesis induction or gastric lavage should be avoided.

SECTION 5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing Media**
- Suitable Extinguishing Media : Water, do not use any other substance
- Unsuitable Extinguishing Media : As above
- 5.2 Special hazards arising from the substance or mixture** : Not combustible. Decomposes under fire conditions to release oxygen that intensifies the fire. Risk of explosion in closed, unventilated containers due to increased pressure from decomposition gases.
Contact with combustible material may cause fire
- 5.3 Advice for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA).
Wear chemical resistant oversuit and boots (rubber or PVC)
Cool containers/tanks with water spray
If safe to do so, move product away from fire to secure area
Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
- Advice for non-emergency personnel : Avoid contact with skin, eyes and clothing.
Prevent further leakage or spillage if safe to do so. Isolate and signpost spill area. Eliminate all sources of ignition.
- Advice for emergency responders : Wear suitable protective equipment. Refer to section 5 for fire-fighting; section 4 for first-aid advice; and section 8 for minimum requirements for personal protective equipment.
Evacuate personnel to safe areas
Keep people away from and up wind of spill/leak
- 6.2 Environmental precautions** : Do not allow to enter drains, sewers or watercourses.
Should not be released into the environment
- 6.3 Methods and material for containment and cleaning up** : Dam up
Do not mix waste streams during collection
Soak up with inert absorbant material
Keep in suitable, closed containers for disposal
Never return spills in original containers for re-use

- 6.4 Reference to other sections** : Section 1 for emergency contact. Section 8 for information on appropriate personal protective equipment.
- 6.5 Additional Information** : None

SECTION 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling** : Avoid ingestion, inhalation and contact with skin and eyes
 Use only with adequate ventilation.
 Keep away from heat and sources of ignition.
 Keep container tightly closed.
 Wear protective gloves/clothing and eye/face protection.
 Keep away from incompatible products
 Use only clean and dry utensils
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage Temperature : Store between 4°C to 25°C
- Storage Conditions : Protect from light.
 Keep only in original container
 Keep away from combustible materials and sources of ignition and heat.
 Store in a receptacle equipped with a vent
 Keep container closed
 Regularly check the conditions and temperature of the containers.
- Incompatible materials : Strong acids, strong alkalis, strong oxidising agents, strong reducing agents, organic material, acetone and metals.
- Suitable material : Aluminium 99.5%
 Stainless steel passivated 316
 Approved grades of HDPE
 Polypropylene
- 7.3 Specific end use(s)** : Apart from the use mentioned in Section 1.2 no other specific uses are stipulated. For further information please contact supplier.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Exposure Limit Values**

| Substance | Standard | Type | Exposure Limit Value | Notes |
|--|--|------|------------------------|------------|
| Hydrogen Peroxide CAS: 7722-84-1 | NZ.WKS (2020) – Workplace Exposure Standards [WES] | TWA | 1 ppm | |
| | | TWA | 1.4 mg/m ³ | |
| | UK.EH40 (2011) – Workplace Exposure Limits [WEL] | TWA | 1 ppm | LTEL (8hr) |
| | | TWA | 1.4 mg/m ³ | LTEL (8hr) |
| | | STEL | 2 ppm | |
| | DE.MAK (2012) – Werte Liste | STEL | 2.8 mg/m ³ | |
| | | TWA | 0.5 ppm | |
| | US.ACGIH (2016) – Threshold Limit Values [TLV] | TWA | 0.71 mg/m ³ | |
| | | TWA | 1 ppm | |

8.1.2 Other information on limit values

| Substance | Limit | Conditions | Value | Notes |
|--|--|---------------------------------------|------------------------|---------------|
| Hydrogen Peroxide CAS: 7722-84-1 | Predicted No Effect Concentration [PNEC] | Fresh water | 0.13 mg/l | |
| | | Marine water | 0.013 mg/l | |
| | | Sewage treatment plants | 4.7 mg/l | |
| | Derived No Effect Level/Derived minimal effect level [DNEL/DMEL] | Workers, inhalation, acute exposure | 3 mg/m ³ | Local effects |
| | | Workers, inhalation, chronic exposure | 1.4 mg/m ³ | Local effects |
| | | Consumers, inhalation, acute exposure | 1.93 mg/m ³ | Local effects |
| Consumers, inhalation, chronic exposure | 0.21 mg/m ³ | Local effects | | |

8.2 Exposure controls

8.2.1 Appropriate engineering controls : Ensure adequate ventilation
Apply technical measures to comply with the occupational exposure limits

8.2.2 Personal protection equipment

Eye/face protection : Wear chemical safety glasses with side shields, or splash-proof goggles



Skin protection (Hand protection/ Other)



: Impervious gloves
Suitable material: PVC, butyl-rubber, nitrile rubber
Any specific glove information provided is based on published literature and glove-manufacturer data. Contact the glove manufacturer for glove selection and breakthrough times for your use conditions.
Inspect and replace worn or damaged gloves.
Chemical resistant gloves are recommended.
If contact with forearms is likely, wear gauntlet-style gloves. Nitrile, CEN standards EN 420 and EN 374 provide general requirements and list of glove types.

Respiratory protection



: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements.
Types of respirator to be considered for this mixture include: Half-face filter respirator; Type A filter material CEN standards EN136, EN140 and EN 405 provide respirator masks and EN 149 and EN 143 provide filter recommendations.

Hygiene Measures

: Eye wash bottles or eye wash stations in compliance with applicable standards
Take off contaminated clothing and shoes immediately
Wash contaminated clothing before re-use
When using do not eat, drink or smoke
Wash hands before breaks and at the end of workday
Handle in accordance with good industrial hygiene and safety practice.

Thermal hazards

: None Known

8.2.3 Environmental Exposure Controls : Dispose of rinse water in accordance with local and national regulations
See sections 6,7,12,13

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance : Liquid
Colour : Colourless
Odour : Odourless

| | |
|--|--|
| Molecular weight | : 34 g/mol |
| pH (Value) | : 2.02 (H ₂ O ₂ 50%) |
| Melting Point (°C) / Freezing Point (°C) | : -33°C (H ₂ O ₂ 35%) |
| Boiling point/boiling range (°C) | : 108°C (H ₂ O ₂ 35%) |
| Flash Point (°C) | : Not applicable |
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Explosive limit ranges. | : No data available |
| Vapour Pressure (mm Hg) | : 1 mbar (H ₂ O ₂ 50%) at 30°C |
| Vapour Density (Air=1) | : 1 |
| Density (g/ml) | : 1.1 - 1.2 |
| Solubility (Water) | : Miscible with water |
| Solubility (Other) | : No data available |
| Partition Coefficient (n-Octanol/water) | : Log Pow: -1.57, Method: calculated value |
| Auto Ignition Temperature (°C) | : Not flammable |
| Decomposition Temperature (°C) | : >60°C, Self-accelerating decomposition temperature (SADT) <60°C, Slow composition |
| Viscosity (mPa.s) | : 1.17 mPa.s (H ₂ O ₂ 50%), at 20°C |
| Explosive properties | : Not explosive |
| Oxidising properties | : Oxidising |
| 9.2 Other information | : Surface tension – 75.6 mN/m (H ₂ O ₂ 50%) at 20°C |

SECTION 10. STABILITY AND REACTIVITY

| | |
|--|---|
| 10.1 Reactivity | : Stable under normal conditions of use. Decomposes on heating. Potential for exothermic hazard. |
| 10.2 Chemical stability | : Stable under recommended storage conditions. Sensitive to heat and light. |
| 10.3 Possibility of hazardous reactions | : Contact with combustible material may cause fire. Contact with flammables may cause fire or explosions. Risk of explosion if heated under confinement. Fire or intense heat may cause violent rupture of packages. |
| 10.4 Conditions to avoid | : Protect from freezing. Contamination. To avoid thermal decomposition, do not overheat. |
| 10.5 Incompatible materials | : Acids, bases, metals, Heavy metal salts, powdered metal salts, reducing agents, organic materials, flammable materials . |
| 10.6 Hazardous Decomposition Product(s) | : Oxygen |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| 11.1 Information on toxicological effects | |
| 11.1.1 Mixtures | |
| Acute toxicity | : Acute oral toxicity: LD50, rat, 1,270 mg/kg (H ₂ O ₂ 35%) Acute inhalation toxicity: LC50 4h, rat, >0.17 mg/l, vapour (H ₂ O ₂ 50%) Acute dermal toxicity: LD50, rabbit, >2,000 mg/kg (H ₂ O ₂ 35%) |
| Skin corrosion/Irritation | : Rabbit: skin irritation (H ₂ O ₂ 35%) Irritating to skin. Effects may include: discolouration, Erythema, Odema. |
| Serious eye damage/eye irritation | : Rabbit: Severe eye irritation (H ₂ O ₂ 10%) |
| Corrosivity | : Corrosive to eyes. May cause irreversible eye damage. |

- Sensitisation : Guinea pig, did not cause sensitization on laboratory animals
- Repeated dose toxicity : Oral, 90-day, mouse, Gastrointestinal tract: 300 ppm LOAEL
 Oral, 90-day, mouse: 100 ppm NOAEL
 Inhalation, 28-day rat, respiratory system: 10ppm, LOAEL, vapour
 Inhalation, 28-day, rat: 2ppm, NOAEL, vapour
- Carcinogenicity : Oral, Prolonged exposure, mouse, Target organs: Duodenum, carcinogenic effects
 Dermal, prolonged exposure, mouse, animal testing did not show any carcinogenic effects
- Mutagenicity : In vitro tests have shown mutagenic effects
 In vivo tests did not show mutagenic effects
- Toxicity for reproduction : Substance is totally biotransformed (metabolized)
 Study scientifically unjustified
- Specific target organ toxicity – single exposure : Inhalation, mice, 665 mg/m³. Remarks: RD 50, Irritating to respiratory system, H₂O₂ 50%
- 11.2 Other information** : None

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

| Active Ingredient | Duration | Species | Value | Notes |
|--|-------------|---|-----------|-------------------------------|
| Hydrogen Peroxide CAS: 7722-84-1 | LC50, 96 hr | Pimephales promelas (fathead minnows) | 16.4 mg/L | |
| | NOEC, 96 hr | Pimephales promelas | 4.3 mg/L | |
| | EC50, 48 hr | Crustaceans: Daphnia pulex (water flea) | 2.4 mg/L | Fresh water, semi static test |
| | NOEC, 48 hr | Crustaceans: Daphnia pulex | 1 mg/L | Fresh water, semi static test |
| | EC50, 72 hr | Algae: Skeletonema costatum | 2.6 mg/L | Growth rate |
| | NOEC, 72 hr | Algae: Skeletonema costatum | 0.63 mg/L | |
| | NOEC, 72 hr | Algae: Chlorella vulgaris | 0.1 mg/L | |

12.2 Persistence and degradability

- Abiotic Degradation : Air, indirect photo oxidation, t_{1/2}: 24 hr (Conditions: sensitizer: OH radicals)
 Water, redox reaction, t_{1/2}: 120 hr (Conditions: mineral and enzymatic catalysis, fresh water, salt water)
 Soil, redox reaction, t_{1/2}: 12 hr (Conditions: mineral and enzymatic catalysis)
- Biodegradation : Aerobic, t_{1/2} < 2 min (Conditions: biological treatment sludge): Readily biodegradable
 Aerobic, t_{1/2} from 0.3 – 5 d (Conditions: fresh water): Readily biodegradable
 Anaerobic (Conditions: soil/sediments): Not applicable

12.3 Bioaccumulative potential

- Bioaccumulative potential: Log Pow -1.57
 Result – does not bioaccumulate

- 12.4 Mobility in soil**
- Water : Considerable solubility and mobility
- Soil/sediments : Log KOC: 0.2, non significant evaporation and adsorption
- Air : Volatility, Henry's law constant (H), = 0.75 kPa.m³/mol
Conditions 20°C
Not significant
- 12.5 Results of PBT and VPVB assessment** : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)
This substance is not considered to be very persistent nor very bioaccumulating (vPvB)
- 12.6 Other adverse effects** : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn, or use a cutting torch on, the empty drum.
Dispose of in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.
- 13.2 Additional Information** : None

SECTION 14. TRANSPORT INFORMATION

- 14.1 Land transport (ADR/RID)**
- UN number : UN 2014
- Proper Shipping Name : HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- Transport hazard class(es) : 5.1
- ADR/RID-Labels : 5.1 – Oxidizing substances
8 - Corrosive
- Packing Group : II
- Hazard label(s) :
- 
- Environmental hazards : None
- Special precautions for user : None
- 14.2 Sea transport (IMDG)**
- UN number : UN 2014
- Proper Shipping Name : HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- Transport hazard class(es) : 5.1
- IMDG Labels : 5.1 – Oxidizing substances
8 - Corrosive
- Packing Group : II
- Marine Pollutant : No
- Special precautions for user : None

| | | |
|-------------|--|--|
| 14.3 | Air transport (ICAO/IATA) | |
| | UN number | : UN 2014 |
| | Proper Shipping Name | : HYDROGEN PEROXIDE, AQUEOUS SOLUTION |
| | Transport hazard class(es) | : 5.1 |
| | ICAO labels | : 5.1 – Oxidizing substance 8 – corrosive |
| | Packing Group | : II |
| | Environmental hazards | : None |
| | Special precautions for user | : None |
| 14.4 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | : Not applicable |

SECTION 15. REGULATORY INFORMATION

| | | |
|---------------|---|---|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | |
| 15.1.1 | New Zealand regulations | |
| | NZ EPA HSNO Act 1996 | : Complies Approval number – HSR001326 |
| 15.1.2 | Other National regulations | : Refer to national regulation for details of any actions or restrictions by relevant regulations or directives |
| | Australia | : Australian Inventory of Chemical Substances (AICS) - Complies |
| | European Union | : EU list of existing chemical substances (EINECS) - Complies |
| | USA | : Toxic Substance Control Act List (TSCA) – Complies |
| | Canada | : Domestic Substances List (DSL) - Complies |
| | South Korea | : Korean Existing Chemicals Industry (KECI(KR)) - Complies |
| | Japan | : Existing and New Chemical Substances (MITI List) (ENCS) - Complies |
| | China | : Inventory of Existing Chemical Substances (IECS) - Complies |
| | Philippines | : Philippine Inventory of Chemicals and Chemical Substances (PICCS) - Complies |

SECTION 16. OTHER INFORMATION

The following sections contain revisions or new statements : 8 & 9 as of January 2021.

ABBREVIATIONS & ACRONYMS

| | |
|-------|--|
| STOT | : Specific Target Organ Toxicity |
| WEL | : Workplace Exposure Limit |
| TLV | : Threshold Limit Value |
| TWA | : Time-Weighted Average |
| STEL | : Short-Term Exposure Limit |
| LTEL | : Long-Term Exposure Limit |
| PNEC | : Predicted No Effect Concentration |
| DNEL | : Derived No Effect Level |
| DMEL | : Derived Minimal Effect Level |
| LOAEL | : Lowest-observed-adverse-effect Level |
| NOAEL | : No-observed-adverse-effect Level |
| NOEC | : No Observed Effect Concentration |

- References** : Sources of information used in preparing this SDS included one or more of the following: results from in-house or supplier toxicology studies; publications from trade associations; ECHA publications; EU guidelines and other sources as appropriate
- Training Advice** : **All users should be trained**
- Additional Information** : None

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