

This safety data sheet meets the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Date of issue 2020-10-22

Versie 1

Section 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE MANUFACTURER

1.1. Product identification

Product code EW5614
Product name Dry clean contact spray

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

Identified uses Dry clean contact spray
Uses advised against Do not use on humans and animals

1.3. Details of the supplier of the safety data sheet

Supplier Intronics B.V
P.O. box 123, 3770 AC Barneveld
the Netherlands

For more information, please contact:

Technical support: +31 34 24 07 050

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008



Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.



Warning, Skin Irrit. 2, Causes skin irritation.



Warning, Eye Irrit. 2, Causes serious eye irritation.



Warning, STOT SE 3, May cause drowsiness or dizziness.



Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements**Product identification**

Hazard pictograms:

**Signal word**

Danger

Hazard statements:

H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

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 applicable regulations.

Special Provisions: None

Contains: C7 n-alkane hydrocarbons, isoalcans, cyclic propan-2-ol; isopropyl alcohol; isopropanol

Special provisions according to Annex XVII of REACH and subsequent amendments: None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None












Other Hazards: Can form explosive vapor / air mixtures

Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS

3.1 Substances

N/A

3.2 Mixtures

Qty	Name	Ident. Number	Classification
>= 50% - < 60%	GPL	CAS: 68476-40-4 EC: 270-681-9 REACH No.: 01-2119486557-22-XXXX	 2.5/C Compr. Gas H280  2.2/1 Flam. Gas 1 H220 DECLK (CLP)*
>= 40% - < 50%	C7 n-alkane hydrocarbons, isoalcanes, cyclic	EC: 927-510-4 REACH No.: 01-2119666169-27-0000	 2.6/2 Flam. Liq. 2 H225  3.2/2 Skin Irrit. 2 H315  4.1/C2 Aquatic Chronic 2 H411  3.10/1 Asp. Tox. 1 H304  3.8/3 STOT SE 3 H336
>= 3% - < 5%	propan-2-ol; isopropyl alcohol; isopropanol	Index number: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336
>= 0.5% - < 1%	ethanol; ethyl alcohol	Index number: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6	 2.6/2 Flam. Liq. 2 H225

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation Remove casualty to fresh air and keep warm and at rest.

Skin contact Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

Eye contact After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.

Ingestion Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

4.2. Most important acute and delayed symptoms and effects

Main symptoms For symptoms and effects due to the contained substances see chapter 11

4.3. Indication of the requirement for immediate medical attention and special treatment

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: Follow the doctor's instructions

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing material

Suitable extinguishing material CO2 or Dry chemical fire extinguisher

Unsuitable extinguishing material Water jets

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

Section 6: MEASURES FOR THE ACCIDENTAL RELEASE OF THE SUBSTANCE

6.1. Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling of the substance or mixture

Advice on safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. See also section 8 for recommended protective equipment.

Hygiene measures

Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including incompatible products

Technical Measures

store in a cool, well ventilated place, away from heat, flames, sparks or other sources of ignition

Storage conditions

keep only in the original container away from sunlight neighborhoods. Avoid contact with skin and eyes, inhalation of vapours/mists/dusts. Do not use empty containers before they are cleaned. Contaminated clothing must be replaced before entering the dining areas. At work do not eat or drink. Do not smoke. Avoid the accumulation of electrostatic charges. Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight. Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight. Keep away from food, drink and feed.

Incompatible substances

None in particular.

Instructions as regards storage premises: Cool and adequately ventilated.

7.3. Specific end use

Spray for washing

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

C7 n-alkane hydrocarbons, isoalcans, cyclic

TLV TWA - 400ppm-1639,26 mg/m³

TLV STEL - 500ppm-2049,08 mg/m³

VLE 8h - 2085 mg/m³-500ppm

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

ethanol; ethyl alcohol - CAS: 64-17-5

ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr

DNEL Exposure Limit Values

C7 n-alkane hydrocarbons, isoalcans, cyclic

Worker Professional: 300 mg/kg/d - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 2085 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 149 mg/kg/d - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values: N.A.

8.2. Measures to control exposure

Thermal Hazards:	Do not expose to temperatures exceeding 50°.
Eye / face protection	Use close fitting safety goggles, don't use eye lens.
Hand protection	Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Skin and body protection	No special precaution must be adopted for normal use
Respiratory protection	Use adequate protective respiratory equipment
Environmental exposure controls	None.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information about basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Spray can	--	--
Odour:	characteristic	--	--
Odour threshold:	Not Relevant	--	--
pH:	Not Relevant	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	Not Relevant	--	--
Flash point:	< 0 ° C aerosol	--	--
Evaporation rate:	Not Relevant	--	--
Solid/gas flammability:	Not Relevant	--	--

Upper/lower flammability or explosive limits:	Not Relevant	--	--
Vapour pressure:	5 bar +/- 1	--	--
Vapour density:	>2	--	--
Relative density:	0.640 kg/l +/- 0.05	--	--
Solubility in water:	undissolvable	--	--
Solubility in oil:	complete	--	--
Partition coefficient (n-octanol/water):	Not Relevant	--	--
Auto-ignition temperature:	400°C (gas)	--	--
Decomposition temperature:	Not Relevant	--	--
Viscosity:	Not Relevant	--	--
Explosive properties:	no	--	--
Oxidizing properties:	no	--	--

9.2. Other information

Properties	Value	Method:	Notes:
kinematic viscosity:	kv > 2,05 mm ² /s (a 40°C)	--	--
Miscibility:	Not Relevant	--	--
Fat Solubility:	hydrocarbons	--	--
Conductivity:	Not Relevant	--	--
Substance Groups relevant properties	Not Relevant	--	--

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possible hazardous reactions

may form explosive vapor / air mixtures in places not well ventilated

10.4. Conditions to avoid

avoid the accumulation of electrostatic charges.
keep away from heat, sources of ignition

10.5. Incompatible materials

oxidizing agents

10.6. Hazardous decomposition products

the product is flammable, following combustion can lead to the formation of dangerous decomposition products
by thermal decomposition can rid COx

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information of the product: N/A

Toxicological information of the main substances found in the product:

GPL - CAS: 68476-40-4

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 658 mg/l

C7 n-alkane hydrocarbons, isoalkanes, cyclic

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 23300 mg/m³ - Duration: 4h

Test: LD50 - Route: Skin - Species: Rat > 2920 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 5840 mg/kg

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5840 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

GPL - CAS: 68476-40-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish Negative 19 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia Negative 14.2 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae Negative 7.7 mg/l - Duration h: 96

C7 n-alkane hydrocarbons, isoalkanes, cyclic

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Fish = 1.5 mg/l - Duration h: 48

Endpoint: LC50 - Species: Daphnia = 4 mg/l - Duration h: 24

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72

Endpoint: EC50 - Species: Fish > 100 mg/l - Duration h: 48

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility in the soil

No information available.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None

PBT Substances: None

12.6. Other harmful effects

No information available.

Section 13: DISPOSAL INSTRUCTIONS**13.1. Waste treatment methods**

Waste from residues / unused products Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Contaminated packaging contaminated packaging should be sent for recovery or disposal in compliance with national regulations on waste management reuse if possible. Product residues are to be considered hazardous waste. disposal must be entrusted to authorised waste management, in compliance with national and, where appropriate, local.

Section 14: INFORMATION REGARDING TRANSPORT

14.1 UN / ID No	ADR-UN number: 1950 IATA-Un number: 1950 IMDG-Un number: 1950
14.2 Proper shipping name	Not applicable
14.3 Transport Hazards class	ADR-Class: 2.5°F CAP. 2.2.2.1.6 UN1950 IATA-Class: 2.1 IMDG-Class: 2 Aerosols UN 1950
14.4 Packing group	Not applicable
14.5 Harmful to the environment	Not applicable
Marine pollution	Marine pollutant
14.6 Special precautions for user	IMDG-Page: 2102

14.7 Transport in bulk No
in accordance with Annex II to
MARPOL 73/78 and the IBC code

Section 15: REGULATION

15.1. Specific safety, health and environmental regulations and legislation for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)
 Dir. 2000/39/EC (Occupational exposure limit values)
 Regulation (EC) n. 1907/2006 (REACH)
 Regulation (EC) n. 1272/2008 (CLP)
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
 Regulation (EU) 2015/830
 Regulation (EU) n. 286/2011 (ATP 2 CLP)
 Regulation (EU) n. 618/2012 (ATP 3 CLP)
 Regulation (EU) n. 487/2013 (ATP 4 CLP)
 Regulation (EU) n. 944/2013 (ATP 5 CLP)
 Regulation (EU) n. 605/2014 (ATP 6 CLP)
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: None

Where applicable, refer to the following regulatory provisions : Directive 2012/18/EU (Seveso III)
 Regulation (EC) nr 648/2004 (detergents).
 Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1,
 part 1
 Product belongs to category: P3a, E2

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Section 16: OTHER INFORMATION

An explanatory list of abbreviations and acronyms used in the safety data sheet

Text of phrases referred to under heading 3:
 H280 Contains gas under pressure; may explode if heated.
 H220 Extremely flammable gas.
 H225 Highly flammable liquid and vapour.
 H315 Causes skin irritation.
 H411 Toxic to aquatic life with long lasting effects.
 H304 May be fatal if swallowed and enters airways.
 H336 May cause drowsiness or dizziness.
 H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Flam. Gas 1	2.2/1	Flammable gas, Category 1
Aerosols 1	2.3/1	Aerosol, Category 1
Compr. Gas	2.5/C	Compressed gas
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

This safety data sheet has been completely updated in compliance to Regulation 2015/830. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222+H229	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

Date of issue 2020-10-22

Revision date Not applicable.

Reason for revision: Not applicable.

This safety data sheet is in accordance with the requirements of Regulation (EC) 1907/2006, 1272/2008 and regulation (EU) No 2015/830.

Disclaimer

The information in this SDS is prepared to the best of our ability and reflects the state of knowledge at the time of publication. The data is presented as a guideline for the safe handling, use, storage, transport, and disposal of the substance, and cannot be regarded as a guarantee certificate or quality specification. The information given relates to the substance as such and may no longer be valid when the substance is used together with other substances or in processes.

End of the safety data sheet

Intronics BV
Shardene Brink, *compliance officer*



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SIGNATURE