

Date of issue: 22. June. 2016
Revision date: 12. November 2020
Version number: 3.0

SAFETY DATA SHEET

NEU-75140-0

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

1.1. Product identifier

Product name: **Nighthawk**

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

Relevant identified uses: Herbicide for agriculture

1.3. Details of the supplier of the safety data sheet

Manufacturer

Nichino Europe Co., Ltd.

5 Pioneer Court, Vision Park, Histon, Cambridge CB24 9PT,

UK Phone: 44-1223-855720 Facsimile: 44-1223-233119

Contact email for SDS: neu.regulatory@nichino-europe.com

International Contact

Nihon Nohyaku Co., Ltd.

19-8, Kyobashi 1-Chome, Chuo-Ku, Tokyo 104-8386, JAPAN

(ENVIRONMENT SAFETY DEPT. / Phone: 81-3-6361-1426

Facsimile: 81-3-6361-1451 e-mail: kankyuanzen@nichino.co.jp)

1.4. Emergency telephone number

Carechem 24 International Emergency Telephone number: *

For Europe, Middle East and Africa

Phone: +44 1273 289 451 (languages: English, Dutch, French, German, Italian, Spanish)

Further numbers and local numbers see Chapter 16

OVERSEAS DIVISION, Nihon Nohyaku Co., Ltd.

19-8, Kyobashi 1-Chome, Chuo-Ku, Tokyo 104-8386, JAPAN

Phone: 81-3-6361-1425 Facsimile: 81-3-6361-1456 (Only during
office hours)

Nichino Europe Co., Ltd.

5 Pioneer Court Vision Park Cambridge CB24 9PT UK

Phone: +44-1223-855720 Facsimile: +44-1223-233119

(only during office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

Additional information: See SECTION 16 for full text of Hazard- and EU Hazard-statements.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard

Pictogram:



Signal Word:

Warning

Hazard Statement:

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statement (Prevention):

Precautionary Statement (Response):

P391: Collect spillage.

Precautionary Statement (Storage):

Precautionary Statement (Disposal):

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

Supplemental Hazard Information (EU):

EUH208 Contains 1,2-benzisothiazolin-3-one (2634-33-5). May produce an allergic reaction.

2.3. Other hazards

No substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, is present at a concentration equal to or greater than 0,1 % w/w.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is regulated as a mixture.

3.2. Mixtures

Active ingredient: Ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methylpyrazol-3-yl)-4-fluorophenoxyacetate (IUPAC name)
(Common name: Pyraflufen-ethyl)
4.2% (w/v)

Hazardous ingredients:

Chemical name	CAS No.	CLP index No.	Concentration (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Pyraflufen-ethyl	129630-19-9	613-203-00-X	4.1	Aquatic Acute 1; H400, Aquatic Chronic 1; H410, M factor = 1000
Ethylene glycol	107-21-1	603-027-00-1	>=0.1 - <1	Acute Tox 4; H302
1,2-Benzisothiazolin-3one	2634-33-5	613-088-00-6	<0.03	Acute Tox. 4; H302, Skin Irrit. 2; H315, Eye Dam. 1; H318, Skin Sens. 1; H317, Aquatic Acute 1; H400

CLP index No.: Index No. in part 3 of Annex VI of Regulation (EC) No. 1272/2008 See SECTION 16 for full text of Hazard- and EU Hazard-statements.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact:	Flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.
Skin contact:	Remove contaminated clothing. Wash with plenty of water and soap. If irritation persists, get medical attention. Contaminated clothing should be laundered before reuse.
Ingestion:	If swallowed, rinse mouth with water, and give one or two glasses of water to drink. Keep patient at rest and obtain medical aid. Do not induce vomiting.
Inhalation:	Remove patient from exposure, keep warm and at rest. Get medical attention if ill effect occurs.

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

The most important known symptoms and effects are described in the SECTION 2 and SECTION 11.

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

Treatment: Treat according to symptoms, no known specific antidote.
Show this safety data sheet to the doctor in attendance.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water spray, Foam, Dry chemical powder, Carbon dioxide
Unsuitable extinguishing media: No data available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Combustion or thermal decomposition may evolve toxic vapours (CO, NO_x, etc.).

5.3. Advice for firefighters

Special protective equipment for fire-fighters:
Firefighters should wear proper protective equipment.

Further information: Avoid extinguishing media such as water, foam, and dry chemicals flow into pond, river and lake.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

Personal precautions: Evacuate non-essential personnel. Wear proper protective equipment.

6.2. Environmental precautions

Environmental precaution: Prevent spills from entering sewers, watercourse or low areas.
Washings should not be poured into drains or waterway.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Adsorb spillage onto sand, soil or any suitable adsorbent material.
Transfer to a container for disposal. Wash the spillage area with water.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in the SECTION 8 and SECTION 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Use with adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapour.
After handling wash face and hands thoroughly with soap and water. Do not eat, drink or smoke when using.

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion No data available.

Requirements for storage areas and containers

Avoid direct sunlight. Store in a cool, dry and well-ventilated place. Keep in original containers, tightly closed.

Advice on common storage

Keep away from food, drink and animal feeding stuffs and out of reach of children. Keep locked up.

7.3. Specific end use(s)

Section 1 informs about identified end-uses.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits values

Pyraflufen-ethyl: Not established.

8.2 Exposure controls

Engineering controls: If practical, use with adequate ventilation in the working area. Make available in the work area emergency shower and eyewash.

Personal protective equipment:

Respiratory protection: Wear approved respiratory protection equipment.

Eye protection: Wear eyeglasses or chemical safety goggles.

Skin protection: Wear suitable protective clothing and gloves to prevent skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Whitish liquid
Odour:	Product specific
pH:	6 - 8 at 1% dilution 20°C
Initial boiling point and boiling range:	100°C
Flash point	>100°C
Flammability	Not flammable
Relative density	1.0297
Solubility (ies):	dispersable
Partition coefficient (n-octanol/water):	No data available
Auto ignition temperature	415°C
Decomposition temperature:	No data available
Viscosity:	40 mPa·s
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2. Other information

Not applicable.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This product considered to be stable under normal warehouse condition.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Excessive heat.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data available.

See also SECTION 5.2.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:		
Oral;	LD ₅₀ (mg/kg)	>2000 (11.8 percent of the mixture consists of components of unknown acute oral toxicity) (calculation method)
Dermal;	LD ₅₀ (mg/kg)	>2000 (12.1 percent of the mixture consists of components of unknown acute dermal toxicity) (calculation method)
Inhalation;	LC ₅₀ (mg/L/4hr)	>5.0 (22.7 percent of the mixture consists of components of unknown acute inhalation toxicity) (calculation method)
Skin corrosion/ irritation:		Non irritant (calculation method)
Serious eye damage/irritation:		Non irritant (calculation method)
Respiratory or skin sensitisation:		
Respiratory sensitisation:		Not expected to be a respiratory sensitizer.
Skin sensitization:		Not expected to be a skin sensitizer. Contains 1,2-benzisothiazolin-3-one (2634-33-5). May produce an allergic reaction.
Germ cell mutagenicity:		Not expected to be a germ cell mutagen.
Carcinogenicity:		Not expected to cause cancer.
Reproductive toxicity:		Not expected to be a reproductive toxicant
Specific target organ toxicity (Single exposure):		Not expected to cause organ damage from single exposure.
Specific target organ toxicity (Repeated exposure):		Not expected to cause organ damage from prolonged or repeated exposure.
Aspiration hazard:		Not Classified.

11.2. Endocrine disrupting properties

No information available on adverse health effects caused by endocrine disrupting properties

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available for this product.

Based on the information about ingredients this product is classified as follows:

Acute (short-term) aquatic hazard: Category 1

(21.5 percent of the mixture consists of components of unknown hazards to aquatic environment.) (calculation method)

Long-term aquatic hazard: Category 1

(22.1 percent of the mixture consists of components of unknown hazards to aquatic environment.) (calculation method)

12.2. Persistence and degradability

No data available for this product.

12.3. Bioaccumulative potential

No data available for this product.

12.4. Mobility in soil

No data available for this product.

12.5. Results of PBT and vPvB assessment

No data available for this product.

12.6. Endocrine disrupting properties

No data available on adverse effects on the environment caused by endocrine disrupting properties.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product: Product should be disposed of according to label instructions and/or local regulations. Do not dump into sewers, on the ground or into any body of water. Repealing liquid containing this product should be avoided flowing into river, pond and lake.

Contaminated packaging: Dispose used container according to the local regulations.

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID)

14.1. UN number: 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains pyraflufen-ethyl)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards: YES

14.6. Special precautions for user:

Sea transport (IMDG)

14.1. UN number: 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains pyraflufen-ethyl)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards: MARINE POLLUTANT

14.6. Special precautions for user:

Sea transport (MARPPOL 73/78)

14.7. Transport in bulk according to Annex II of MARPPOL73/78 and the IBC Code:

Air transport (ICAO/IATA)

14.1. UN number: 3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains pyraflufen-ethyl)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

14.5. Environmental hazards: YES

14.6. Special precautions for user:

SECTION 15: REGULATORY INFORMATION

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

15.2. Chemical safety assessment

A chemical safety assessment according to art. 14 of Regulation (EC) No. 1907/2006 is not required, because art. 15 of the same regulation applies

SECTION 16: OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) 2015/830.

Indication of changes:

* Revised data or information

Text of H-Code(s) mentioned in SECTION 2 and SECTION 3 (for information only):

H302:	Harmful if swallowed.
H315:	Causes skin irritation.
H317:	May cause an allergic skin reaction.
H318:	Causes serious eye damage.
H400:	Very toxic to aquatic life.
H410:	Very toxic to aquatic life with long lasting effects.

Further Carechem 24 International Emergency Telephone Numbers:*

France (language: English, French):	+33 1 72 11 00 03
Germany (language English, German):	+49 89 220 610 12
	or toll free +49 (0)800 000 7801
Spain (language: English, Spanish):	+34 91 114 2520
Italy (language: English, Italian):	+39 02 3604 2884
Netherlands (language: English, Dutch):	+31 10 713 8195
Middle East (language English, Arabic):	+44 1273 289 454
EMEA region (language English only):	+44 1865 407 333

The information herein is given in good faith, but not warranty. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of product. It is not applicable to unusual or non-standard uses of product, nor where instructions or recommendations are not followed.
