

SAFETY DATA SHEET**NOVADAN®****Nova Dip****NOVADAN®**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued 13.07.2012

Revision date 17.02.2021

1.1. Product identifier

Product name Nova Dip

UFI FUA0-6077-0006-6AJX

Article no. 55900, 55914, 55918, 55919, 55922, 55998, 56749

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

Use of the substance / preparation Teat disinfectant.

Main intended use PP-BIO-3 Biocidal products for veterinary hygiene

Relevant identified uses

- SU1 Agriculture, forestry, fishery
- PC8 Biocidal Products (e.g. Disinfectants, pest control)
- PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
- PROC7 Industrial spraying
- PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- PROC10 Roller application or brushing
- PROC11 Non-industrial spraying
- PROC19 Manual activities involving hand contact.
- ERC4 Industrial use of processing aids in processes and products, not becoming part of articles
- ERC8B Wide dispersive indoor use of reactive substances in open systems
- ERC8E Wide dispersive outdoor use of reactive substances in open systems

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet**Producer**

Company name Novadan ApS

Postal address Platinvej 21

Postcode DK-6000

City	Kolding
Country	Danmark
Telephone number	+ 45 76 34 84 00
Fax	+ 45 75 50 43 70
Email	sds@novadan.dk
Website	www.novadan.dk

1.4. Emergency telephone number

Emergency telephone	Description: UK: NHS: 111 EI: National Poisons Information Centre, 24/7: 01 809 2166
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Met. Corr. 1; H290; On basis of test data Aquatic Chronic 3; H412; Calculation method
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2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Povidone Iodine , Iodine 7,5 g/kg
Signal word	Warning
Hazard statements	H290 May be corrosive to metals. H412 Harmful to aquatic life with long lasting effects. EUH 210 Safety data sheet available on request.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P234 Keep only in original packaging. P273 Avoid release to the environment. P390 Absorb spillage to prevent material damage. P501 Dispose of contents/container to local/regional/national/international regulation.
Supplemental label information	For professional users only. Read attached instructions before use.

2.3. Other hazards

Health effect	May cause temporary irritation on skin or eye contact. See section 11 for additional information on health hazards.
Environmental effects	May cause long lasting harmful effects to aquatic life. This product does not contain any PBT or vPvB substances.

Other hazards

No evidence for endocrine disrupting properties.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Iodine	CAS No.: 7553-56-2 EC No.: 231-442-4	Acute tox. 4; H312 Acute tox. 4; H332 Aquatic Acute 1; H400; M-factor 1 Aquatic Chronic 1; H410; M-factor 1	0,25 < 2,5 %	

Substance comments

The full text for all hazard statements is displayed in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Remove affected person from source of contamination.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Skin contact	Rinse with water. Remove contaminated clothing and shoes. Seek medical advice if any skin reaction/or discomfort occurs.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue rinsing. Get medical advice/attention if you feel unwell.
Ingestion	After ingestion: Contact poison treatment specialist immediately if symptoms occur and/or in case of mouth contact with large quantities. Do not give fluids or induce vomiting in case of impaired consciousness; place in recovery position and seek medical advice immediately.
Recommended personal protective equipment for first aid responders	Wear necessary protective equipment. For personal protection, see section 8.

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

Acute symptoms and effects	May be slightly irritating to skin and eyes.
Delayed symptoms and effects	No known long term effects.

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

Other information	If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable. During fire, gases hazardous to health may be formed.
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5.3. Advice for firefighters

Personal protective equipment	Wear necessary protective equipment. For personal protection, see section 8.
Fire fighting procedures	Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Avoid contact with eyes. Wear necessary protective equipment. For personal protection, see section 8.
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6.2. Environmental precautions

Environmental precautionary measures	Prevent run-off from entering drains, sewers or waterways. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Dike to collect larger liquid spills.
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6.3. Methods and material for containment and cleaning up

Clean up	Contain and/or absorb spill with inert material, then place in closed and suitable container for disposal according to regulations.
Other information	Do not place spilled materials back into the original container.

6.4. Reference to other sections

Other instructions	See section 8 and section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	No specific usage precautions noted.
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Protective safety measures

Advice on general occupational hygiene	Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Eating, smoking and water fountains prohibited in immediate work area. Take off contaminated clothing and personal protective equipment before entering an eating area..
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7.2. Conditions for safe storage, including any incompatibilities

Storage

Keep in original container.
 Store the product away from direct sunlight in opaque containers.
 Keep separate from food, feedstuffs, fertilisers and other sensitive material.
 Store above freezing.

Conditions for safe storage**Storage temperature**

Value: 0 - 30 °C

Storage stability

Durability: 24 months.

7.3. Specific end use(s)**Specific use(s)**

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls / personal protection**8.1. Control parameters**

Substance	Identification	Exposure limits	TWA Year
Iodine	CAS No.: 7553-56-2	Limit value (8 h) : 1 mg/m ³ , L Limit value (8 h) : 0,1 ppm, L	TWA Year: 2007

DNEL / PNEC**Summary of risk management measures, human**

Data lacking.

Summary of risk management measures, environment

Data lacking.

8.2. Exposure controls**Safety signs****Precautionary measures to prevent exposure****Technical measures to prevent exposure**

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye / face protection**Suitable eye protection**

Eye protection is not required under normal conditions.

Hand protection**Skin- / hand protection, long term contact**

When spraying: Use full length gloves.
 Use protective gloves made of:
 Nitrile. ≥ 0,11 mm
 EN 374.

Breakthrough time	Value: ≥ 480 minute(s)
Thickness of glove material	Value: $> 0,3$ mm
Hand protection, comments	Manufacturer's directions for use should be observed because of great diversity of types. The recommendation is a qualified estimate based on knowledge of the components.

Skin protection

Additional skin protection measures	No special precautions.
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Respiratory protection

Tasks needing respiratory protection	Under normal conditions of use respiration protection should not be required.
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Thermal hazards

Thermal hazards	None specific.
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Appropriate environmental exposure control

Environmental exposure controls	See section 6.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Red brown.
Odour	Chemical.
Odour limit	Comments: Not relevant.
pH	Status: In delivery state Value: $\sim 4,5$ Status: In aqueous solution Value: $\sim 4,5$ Comments: 0°dH , 15°dH Concentration: 20 %
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: Not relevant.
Flash point	Comments: Not relevant.
Evaporation rate	Comments: Not relevant.
Flammability	Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.

Bulk density	Value: ~ 1,10 kg/l
Solubility	Comments: Completely soluble in water.
Partition coefficient: n-octanol/ water	Comments: Not relevant.
Auto-ignition temperature	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Value: < 50 mPa s
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

9.2.2. Other safety characteristics

Comments	No data recorded.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No information.
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10.4. Conditions to avoid

Conditions to avoid	Avoid frost.
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10.5. Incompatible materials

Materials to avoid	No information.
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10.6. Hazardous decomposition products

Hazardous decomposition products	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Iodine
Acute toxicity	Type of toxicity: Acute Effect tested: LC ₅₀ Route of exposure: Dermal

Value: 1100 mg
Comments: ATE

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation (vapour)
Value: 11 g/l
Comments: /4h; ATE

Other toxicological data

Toxicological tests on the product has not been performed.

Other information regarding health hazards

Assessment of acute toxicity, classification	No evidence for acute toxicity.
General	No information about adverse effects due to exposure.
Inhalation	No known chronic or acute health risks.
Skin contact	Skin irritation is not anticipated when used normally.
Eye contact	May cause temporary eye irritation.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea.
Sensitisation	No evidence for respiratory nor skin sensitization.
Assessment of germ cell mutagenicity, classification	No evidence for germ cell mutagenicity.
Assessment of carcinogenicity, classification	No evidence for carcinogenicity.
Assessment of reproductive toxicity, classification	No evidence for reproductive toxicity.
Assessment of specific target organ toxicity - single exposure, classification	No evidence for STOT-single exposure.
Assessment of specific target organ toxicity - repeated exposure, classification	No evidence for STOT-repeated exposure.
Assessment of aspiration hazard, classification	No evidence for aspiration hazard.

Symptoms of exposure

Symptoms of overexposure	No specific symptoms noted.
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11.2 Other information

Endocrine disruption	No evidence for endocrine disrupting properties.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Contains a substance (Aquatic Acute 1; H400 or Aquatic Chronic 1; H410) that falls within the scope of the multiplication factor rule.
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12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product is easily biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	The product is not bioaccumulating.
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12.4. Mobility in soil

Mobility	The product is water soluble and may spread in water systems.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	No evidence for endocrine disrupting properties.
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12.7. Other adverse effects

Additional ecological information	Product is harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.
Appropriate methods of disposal for the contaminated packaging	Dispose unused product and the packaging in accordance with local requirements. Empty containers are rinsed with plenty of water and disposed to normal or commercial waste. The paper towels used for the cleaning of teats are disposed in the normal rubbish.
EWC waste code	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes
EWL packing	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes
Other information	When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste code applies to product remnants in pure form.

SECTION 14: Transport information

Dangerous goods	Yes
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14.1. UN number

ADR/RID/ADN	1903
IMDG	1903
ICAO/IATA	1903
Comments	The product is classified as dangerous goods as it may corrode metals.

14.2. UN proper shipping name

Proper shipping name English	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
ADR/RID/ADN	
Technical name/Danger releasing substance English ADR/RID/ADN	Iodine
ADR/RID/ADN	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
Technical name/danger releasing substance ADR/RID/ADN	Iodine
IMDG	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
Technical name/danger releasing substance IMDG	Iodine
ICAO/IATA	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
Technical name/danger releasing substance ICAO/IATA	Iodine

14.3. Transport hazard class(es)

ADR/RID/ADN	8
Classification code ADR/RID/ADN	C9
IMDG	8
ICAO/IATA	8

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

IMDG Marine pollutant	No
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14.6. Special precautions for user

Special safety precautions for user	Not relevant.
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14.7. Maritime transport in bulk according to IMO instruments

Product name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
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Additional information

Hazard label ADR/RID/ADN	8
Hazard label IMDG	8
Hazard label ICAO/IATA	8

ADR/RID Other information

Tunnel restriction code	E
Transport category	3
Hazard No.	80

IMDG Other information

EmS	F-A, S-B
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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

Other label information	For professional users only. As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Biocides	Yes
Legislation and regulations	The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H290 May be corrosive to metals. H312 Harmful in contact with skin. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Training advice	No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Information added, deleted or revised	Change to Sections: 1, 2, 7, 8, 9, 11, 12, 13, 16
Version	1
Prepared by	ALM