

<b>NOVADAN®</b>	<b>SAFETY DATA SHEET</b>	<b>NOVADAN®</b>
<b>Game Antifoam 52</b>		

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 07.02.2012

Revision date 08.09.2021

### 1.1. Product identifier

Product name Game Antifoam 52

Article no. 12484

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

Product group Antifoam agent.

Main intended use PC-TEC-22 Surfactants mixtures for industrial applications

Relevant identified uses  
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
SU4 Manufacture of food products  
PC35 Washing and cleaning products (including solvent based products)  
PROC2 Use in closed, continuous process with occasional controlled exposure  
ERC4 Industrial use of processing aids in processes and products, not becoming part of articles  
ERC8A Wide dispersive indoor use of processing aids in open systems  
ERC9A Wide dispersive indoor use of substances in closed 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	<a href="mailto:sds@novadan.dk">sds@novadan.dk</a>
Website	<a href="http://www.novadan.dk">www.novadan.dk</a>

## 1.4. Emergency telephone number

Emergency telephone	Description: UK: NHS: 111 EI: National Poisons Information Centre, 24/7: 01 809 2166
---------------------	---

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Substance / mixture hazardous properties	The product is not classified. Not regarded as a health or environmental hazard under current legislation.
Additional information on classification	The informations stated in this MSDS, applies for the concentrated product.

### 2.2. Label elements

### 2.3. Other hazards

Health effect	May be slightly irritating to skin and eyes. See section 11 for additional information on health hazards.
Environmental effects	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 comments	The product contains no substances subject to disclosure requirements.
--------------------	--

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Remove affected person from source of contamination.
Inhalation	Fresh air. Get medical attention if any discomfort continues.
Skin contact	Rinse with water. Contact physician if discomfort continues.
Eye contact	Immediately rinse with water for several minutes. Make sure to remove any contact lenses from the eyes before rinsing. Contact physician if irritation persists.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
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	No information.
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.
-------------------	---

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
------------------------------	---

### 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.
----------------------------	--

### 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.
------------------------------	--------------------------

### 6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.
--------------------------------------	--

### 6.3. Methods and material for containment and cleaning up

Cleaning method	Dam and absorb spillage with sand, sawdust or other absorbent. Wash contaminated area with water.
-----------------	---

### 6.4. Reference to other sections

Other instructions	See section 8 and section 13.
--------------------	-------------------------------

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	No specific usage precautions noted.
----------	--------------------------------------

### 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..

## 7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in tightly closed original container in a dry and cool place.

## Conditions for safe storage

Storage temperature

Value: -15 – 70 °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

### DNEL / PNEC

Summary of risk management measures, human

Data lacking.

Summary of risk management measures, environment

Data lacking.

## 8.2. Exposure controls

### 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

Under normal conditions of use gloves are not normally required.

### Skin protection

Additional skin protection measures

No special precautions.

### Respiratory protection

Respiratory protection necessary at Under normal conditions of use respiration protection should not be required.

## Thermal hazards

Thermal hazards None specific.

## Appropriate environmental exposure control

Environmental exposure controls See section 6.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Colourless to pale yellow.
Odour	Characteristic.
pH	Status: In delivery state Value: ~ 7,0
Melting point / melting range	Value: ~ -20 °C
Boiling point / boiling range	Value: > 100 °C
Flash point	Value: > 100 °C
Evaporation rate	Comments: No data recorded.
Flammability	Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.
Density	Value: ~ 1,0 kg/l
Solubility	Comments: Insoluble in water.
Partition coefficient: n-octanol/ water	Comments: Not relevant.
Auto-ignition temperature	Comments: No data recorded.
Viscosity	Value: ~ 350 mPas
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.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

See section 10.4 and section 10.5.

### 10.4. Conditions to avoid

Conditions to avoid

Avoid heat.

### 10.5. Incompatible materials

Materials to avoid

No information.

### 10.6. Hazardous decomposition products

Hazardous decomposition products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance

No data available for ingredient(s).

Acute toxicity

**Type of toxicity:** Acute  
**Effect tested:** LD50  
**Route of exposure:** Oral  
**Duration:** -  
**Value:** -  
**Animal test species:** -  
**Comments:** -

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.

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.

## 11.2 Other information

Endocrine disruption	No evidence for endocrine disrupting properties.
----------------------	--

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity	The product is not expected to be hazardous to the environment.
-------------	---

### 12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product is easily biodegradable.
--	--------------------------------------

### 12.3. Bioaccumulative potential

Bioaccumulation, evaluation	The product is not bioaccumulating.
-----------------------------	-------------------------------------

### 12.4. Mobility in soil

Mobility	The product is immiscible with water and will spread on the water surface.
----------	--

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
------------------------------------	--

### 12.6. Endocrine disrupting properties

Endocrine disrupting properties	No evidence for endocrine disrupting properties.
---------------------------------	--

### 12.7. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements.
--	--

Appropriate methods of disposal for the contaminated packaging	Dispose unused product and the packaging in accordance with local requirements.
EWC waste code	EWC waste code: 070601 aqueous washing liquids and mother liquors Classified as hazardous waste: No
EWL packing	EWC waste code: 070601 aqueous washing liquids and mother liquors Classified as hazardous waste: No
Other information	Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

## SECTION 14: Transport information

Dangerous goods No

### 14.1. UN number

Comments The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.2. UN proper shipping name

Comments Not relevant.

### 14.3. Transport hazard class(es)

Comments Not relevant.

### 14.4. Packing group

Comments Not relevant.

### 14.5. Environmental hazards

Comments Not relevant.

### 14.6. Special precautions for user

Special safety precautions for user Not relevant.

### 14.7. Maritime transport in bulk according to IMO instruments

## 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.  
The product is not classified.

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.

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.

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

Comments

Produktet lever op til FDA §173.340.

## 15.2. Chemical safety assessment

Chemical safety assessment performed

No

## SECTION 16: Other information

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