

MATERIAL SAFETY DATA SHEET

On the basis of REACH Order (EC) No. 1907/2006 of the European Parliament and Council dated 18th December 2006 concerning the registration, evaluation and authorisation of chemicals (REACH), the establishing of the European Chemicals Agency, amending the directive 1999/45/EC and revoking the order of the Council (EEC) No. 793/93 and the order of the Commission (EC) No. 1488/94, as well as the Council's directive 76/69/EEC and Commission's directive 91/155/EEC, 93/105/EC and 2000/21/EC (the Journal of Laws of the European Union series L, No. 396 as of 30th December 2006)

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INSECTS – PREPARATION FOR INSECT REMOVAL

1. Identification of preparation. Identification of company.

1.1. **Product trade name: INSECTS – preparation for insect removal**

Product code: 19-054

1.2. **Product application:** a liquid to remove insects from car bodies

1.3. **Producer:**

Name and address of the company: **NANOCHEM Sp. z o.o.**
ul. Schonów 3
41-200 Sosnowiec

Telephone number: **(032) 317 34 30**

Fax number: **(032) 317 34 32**

1.4. **Emergency telephone: + 48 42 65 79 900, 42 63 14 767**

1.5. Person responsible for preparing material safety data sheets: Anna Nowak

Email: anna@nanochem.com.pl

2. Threat identification

Fire hazard: none

Toxicological hazard: According to legal regulations the mixtures has not been classified as dangerous.

Eco-toxicological hazard: the mixture is not classified as dangerous to the environment

3. Composition and information on components

	%	CAS	EC	Hazard classification
Sodium hydroxide	0,4%	1310-73-2,	215-185-5	C R35
Anion and non-ion surface active substances	5%	68585-34-2	polymers	Xi R38, 41
Ethyl alcohol	15%	64-17-5	200-578-6	F; R11

4. First aid

Swallowing:

Give water to drink, do not induce vomiting, seek medical advice.

Inhalation poisoning:

Move an injured person from the exposure area.

Skin contamination:

Flush with a large amount of water.

Eye contamination:

Flush with a large amount of water.

CAUTION: persons exposed to eye contamination should be informed of the necessity and manner of immediate eye flushing.

5. Fire-fighting procedures

Fire hazard: non-flammable mixture

Extinguishing media: fires in the presence of the product should be quenched with agents suitable for the materials on fire.

Other information: containers exposed to high temperatures have to be cooled with water from a safe distance and if possible, removed from the endangered area.

Individual protection equipment for fire-fighters: respiratory tracks protection equipment, clothing and gloves.

6. Procedures in the case of accidental release to the environment

Prevent a potential release of the preparation into the environment. In the event a large amount of the preparation has penetrated into the environment – notify relevant authorities.

7. Handling and storage of the preparation

Handling the mixture: follow the generally accepted safety rules

Storage: store in closed containers resistant to corrosion.

Store at temperatures below 40°C.

8. Exposure control and individual protection equipment

The applied personal protection equipment should meet the requirements of the order on basic requirements to be fulfilled by individual protection equipment issued by the Minister of Economy, Labour and Social Policy dated 21st December 2005 (the Journal of Laws No. 259, item 2173).

Respiratory tracks protection: none

Eyes and face protection: not necessary

Skin protection: not necessary

Threat control:

for sodium hydroxide: NDS = 0,5 mg/m³; NDSCHE = 1 mg/m³;

for ethyl alcohol: NDS = 1900 mg/m³

for anion and non-ion surface active agents: unspecified

(according to the order on the highest admissible concentration and intensity of factors harmful to health in a work environment issued by the Minister of Labour and Social Policy on 29th November 2002 (the Journal of Laws No. 217, item 1833 with changes and the Journal of Laws No. 212 item 1769 as of 10.10.2005).

Caution:

If the substance concentrations are determined and known, the concentration of substances at a given workstation, exposure time and works performed by an employee should be taken into consideration when selecting individual protection equipment. In emergency, when the substance concentration at a workstation is unknown, apply personal protection equipment included in the highest recommended protection class.

9. Physical and chemical properties

State of aggregation at 20°C Liquid		Colour Colourless – slightly milky white		Smell Characteristic
Boiling temp. [°C] No data available	Melting point [°C] No data available	Flash point [°C] Not applicable		Self-ignition temp. [°C] Not applicable
Upper explosiveness limit [% V/V] Not applicable		Lower explosiveness limit [% V/V] Not applicable		Vapour pressure [hPa] at 180°C Not applicable
Density [kg/m ³] at 20°C 0,988 kg/m³		pH 11,42 (+/- 0,5 pH)		Viscosity [mPa s] at 20°C No data available
Refractive index No data available		Solubility in water Very good		Solubility in organic solvents No data available
Flammability Non-flammable		Oxidizing properties Not found		Explosive properties Not applicable
Octanol/water partition coefficient Not applicable		Other properties		

10. Stability and reactivity

Conditions and materials to be avoided – no data available. Stable in normal conditions

Dangerous materials – non-reactive in normal conditions

Dangerous decomposition products – no data available

11. Toxicological information

Toxic concentration and doses: no data available

Prolonged exposure to the concentrated preparation may have a degreasing effect on the skin.

Toxicity for anion and non-ion surface active agents:

Acute toxicity-oral: LD50 – 2000 mg/kg (rat)

Toxicity for sodium hydroxide:

Acute toxicity – oral: LD50 – 500 mg/kg (rabbit)

Toxicological data according to ESIS for ethyl alcohol:

Acute toxicity-oral: LD50 6200 mg/kg (rat)

Acute toxicity-skin: LD50 >20000 mg/kg (rabbit)

Acute toxicity-inhalation: LD50 >8000 mg/kg/0,5h (rat)

12. Ecological information

Biodegradability: ca 80% biodegradable product on the basis of components

Data for sodium hydroxide classification:

Acute toxicity for fish LC50 45,5 mg/l/96h (Onchorhynchus mykiss)

Acute toxicity for fish LC50 99 mg/l/48h (Limnea macrochirus)

Acute toxicity for daphnia EU50 76 mg/l/24h (Daphnia magna)

Data for ethyl alcohol classification:

Acute toxicity for fish LC50 8140 mg/l/48h

Acute toxicity for invertebrates EC50 9266-14221 mg/l/48h

Acute toxicity for algae EC50 5000 mg/l/7h

Prevent the preparation from penetrating into ground waters, water reservoirs and sewage system.

13. Handling the waste

Observe the regulations of the waste act dated 27th April 2001 (the Journal of Laws No. 62 item 628) with subsequent changes.

Observe the regulations of the packaging and waste packaging act dated 27th May 2001 (the Journal of Laws No. 63 item 638) with subsequent changes.

Destroy the waste in compliance with relevant waste disposal regulations.

Product	- 07 07 04	- other organic solvents, washing solutions and mother liquors
Unit packaging	- 20 01 39	- plastics
Collective packaging	- 20 01 01	- paper and cardboard

14. Information on transport

ADR/RID: not applicable

15. Information on legal regulations

The substances and chemical preparations act dated 11th January 2001 (the Journal of Laws No. 11, item 84 as of 14th February 2001) with subsequent changes.

Product classification according to the order on the criteria and manner of chemical preparations and substances' classification, issued by the Minister of Health on 2nd September 2003 (the Journal of Laws No. 171, item 1666 dated 2nd October 2003).

Any works with the product should be performed in compliance with the regulations of IV section of 6th chapter D of the general OSH regulations order issued by the Minister of Labour and Social Policy on 26th September 1997 (the Journal of Laws No. 129 item 824) with subsequent changes (the Journal of Laws No. 91 /2002 item 811).

The product's marking must comply with the order on the marking of packaging for dangerous substances and dangerous preparations, issued by the Minister of Health on 2nd September 2003 (the Journal of Laws 173 item 1679 with changes, the Journal of Laws 2004 No. 260, item 2595).

S2 – keep out of the reach of children

16. Additional information

The information contained in the sheet results from the current state of knowledge and experiences in the use of the product. The data on this product has been presented in order to fulfil safety requirements, and not to guarantee its functional properties.

An employer is obliged to inform his employees who have contact with the product of the threats and personal protection means specified in this material safety data sheet.

This material safety data sheet has been prepared on the basis of material safety data sheets for the components provided by their producers, the conducted tests as well as the binding regulations applying to dangerous substances and chemical preparations.

R symbols:

R 11	Highly flammable product
R 35	Causes severe burns
R 38	Has an irritating effect on skin
R 41	Risk of serious damage to eyes.