

RDINDUCOAT®

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Material Safety Data Sheet

RDInducoat Degreaser
Version 1.2

Date 31/05/2012
Revisiondate: 30/9/2014

1. Identification of the substance/preparation and of the company/undertaking

Product name and/or code : RDInducoat Degreaser

Manufacturer : Inducoat BV, PO Box 2776, 3800 GJ Amersfoort, the Netherlands

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3. Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Label elements

Labelling according to EU guidelines:

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Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

· Special labelling of certain preparations:

Safety data sheet available for professional user on request.

· Other hazards

· Results of PBT and vPvB assessment





· PBT: Not applicable.

· vPvB: Not applicable.

2. Composition and information on ingredients

Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Components	EINECS / CAS- No	Symbols	R-phrases
	Concentration		
Trisodium nitrilotriacetate	225-768-6 / 5064-31-3	 Xn,  Xi	R22, R36/38
			5-<7%
			Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Disodium metasilicate	229-912-9 / 6834-92-0	 C,  Xi	R34, R37
			2.5-3%
			Skin Corr. 1B, H314; STOT SE 3, H335

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures

- General : No special measures required.
- Eye contact : Rinse opened eye for several minutes under running water.
- Skin contact : Generally the product does not irritate the skin.
- Inhalation : Supply fresh air; consult doctor in case of complaints.
- Ingestion : If symptoms persist consult doctor.

5. Fire-fighting measures

- Suitable extinguishing agents : fire extinguishing methods suitable to surrounding conditions.
- Protective equipment : No special measures required.

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6. Accidental release measures

Person-related safety precautions : Not required.

Measures for environmental protection : Dilute with plenty of water.
Don not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections : No dangerous substances are released.

7. Handling and storage

Handling

Information for safe handling : No special measures required.

Information about fire and explosion protection : No special measures required.

Storage

Requirements to be met by storerooms and receptacles : No special measures required.

Information about storage in a storage facility : Not required.

Further information about storage conditions : none

8. Exposure controls /personal protection

Additional information about design of technical facilities : No further data; see item 7.

Ingredients with limit values that materials with require monitoring at the workplace. : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information : The lists valid during the making were used as basis.

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Exposure controls

Personal protective equipment :

General protective and hygienic measures : The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection : Not required.

Protection of hands :The glove material has to be impermeable and resistant to the product/ the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves :The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material : The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eyes protection : Goggles recommended during refilling.

9. Physical and chemical properties

Form : Fluid

Colour : According to product specification

Odour : Characteristic

Melting point/melting range : Undetermined

Boiling point/melting range : Undetermined

Flash point : 350°C

Ignition temperature : 571 °C

Self-igniting : Product is not self igniting

Danger of explosion : Product does not present an explosion hazard.

Density at 20 °C : 0.99 g/cm³

Solubility in / miscibility with water: : water miscible

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Solvent content :
Organic solvents : 0.0 %

10. Stability and reactivity

Thermal decomposition / conditions to be avoided : No decomposition if used according to specifications.

Possibility of hazardous reactions : No dangerous reactions known.

Hazardous decompositions products : No dangerous decomposition products known.

11. Toxicological information

Acute toxicity :
Primary irritant effect :
On the skin : No irritant effect.
On the eye : No irritating effect.
Sensitizations : No sensitizing effects known.

Additional toxicological calculation information : The product is not subject to classification according to the method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. Ecological information

Ecotoxicological effects :
Aquatic toxicity : No further relevant information available.
Additional ecological information :
General notes : Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
PBT : Not applicable.
vPvB : Not applicable.

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13. Disposal considerations

Waste treatment methods

Recommendation : Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation : Disposal must be made according to official regulations.

Recommended cleansing agents : Water, if necessary together with cleansing agents.

14. Transport information

Land of transport ADR/RID (cross-border)

ADR/RID class :-

Maritime transport IMDG

IMDG class :-

Marine pollutant : No (Contd on page 5)

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class :-

15. Regulatory information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

Relevant phrases:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

R22 Harmful if swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

R37 Irritating to respiratory system.

Department issuing MSDS: product safety department

Contact: Mr. Ronald Frankhuizen

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS:	Globally Harmonized System of Classification and Labelling of Chemicalspercent

The information in this sheet complies with EU regulations.

The information in this sheet is based on the state of technology and applicable national legislation and regulations on the date of issue.

The manufacturer reserves all rights to change the contents of this sheet without notice. In case of changes a new sheet will be issued.

The user has the obligation to check each time this sheet is consulted, to check the date of publication. In the case of a publication date older than one year, the user must check with the manufacturer whether the contents of this sheet are still valid.

Since the manufacturer has no control over the actual application conditions of the product, the user bears full responsibility for compliance with applicable legal and regulatory directives.

Final determination of suitability of any material is the sole responsibility of the user, the manufacturer does not accept any liability based on the contents of this Safety Data Sheet.