

NEOINDUS 1ES - AEROSOL


SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

1.1 Product identifier	Product Name	NEOINDUS 1ES – AEROSOL.
	CAS No.	Mixture.
	EINECS No.	Mixture.
	REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified use(s)	Multi purpose paint remover and solvent with low toxicity profile.
	Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	Company Identification	Johnson and Allen Ltd Neocol Works Smithfield Sheffield S3 7AR.
	Telephone	0114 2738066
	Fax	0114 2729842
	E-Mail (competent person)	info@johnsonandallen.co.uk
1.4 Emergency telephone number	Company	0114 2738066 (UK office hours 08.30-17.00)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	Regulation (EC) No. 1272/2008 (CLP)	Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated.
2.2 Label elements	Product Name	According to Regulation (EC) No. 1272/2008 (CLP) NEOINDUS 1ES – AEROSOL.
	Hazard Pictogram	
	Signal word(s)	GHS02 Danger.
	Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.
	Precautionary statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
2.3 Other hazards		None.
2.4 Additional Information		For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.1 Substances

Not applicable.

3.2 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Reaction mass of diisobutyl adipate and diisobutyl glutarate and diisobutyl succinate	>90	None assigned	907-870-9	01-2119486562-31-XXXX	None
Carbon dioxide	1-10	124-38-9	204-696-9	None assigned	None

3.3 Additional Information

None.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

Skin Contact

Wash with plenty of soap and water. If symptoms persist, obtain medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, obtain medical attention.

Ingestion

Unlikely route of exposure. Obtain medical attention immediately if ingested.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

Extremely flammable aerosol. Pressurised container: May burst if heated.

5.1 Extinguishing Media

Suitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable Extinguishing Media

Water jet spray.

5.2 Special hazards arising from the substance or mixture

Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

NEOINDUS 1ES - AEROSOL

Keep containers cool by spraying with water if exposed to fire.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

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| 6.1 Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Wash hands thoroughly after handling. |
| 6.2 Environmental precautions | Do not release large quantities into the surface water or into drains. |
| 6.3 Methods and material for containment and cleaning up | Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty. |
| 6.4 Reference to other sections | See Also Section 8, 13. |

7. SECTION 7: HANDLING AND STORAGE

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|---|---|
| 7.1 Precautions for safe handling | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Provide adequate ventilation. Wear suitable gloves and eye/face protection. Wash hands thoroughly after handling. |
| 7.2 Conditions for safe storage, including any incompatibilities | Protect from sunlight. Store in a well-ventilated place. |
| Storage Temperature | Ambient. Do not expose to temperatures exceeding 50°C/ 122°F. |
| Storage Life | Stable under normal conditions. |
| Incompatible materials | Strong oxidising agents, Alkaline, Acids. |
| 7.3 Specific end use(s) | Multi purpose paint remover and solvent with low toxicity profile. |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Carbon dioxide	124-38-9	5000	9150	15000	27400	
		5000	9000			IOELV

Source: UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018)
IOELV: Indicative Occupational Exposure Limit Value

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|---|-------------------------------|
| 8.1.2 Biological limit value | Not established. |
| 8.1.3 PNECs and DNELs | Not established. |
| 8.2 Exposure controls | |
| 8.2.1 Appropriate engineering controls | Provide adequate ventilation. |

NEOINDUS 1ES - AEROSOL

8.2.2 Personal protection equipment

Eye/face protection



Not normally required. Wear suitable eye/face protection.

Skin protection (Hand protection/ Other)



Not normally required.

Respiratory protection



Not normally required. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values. During spraying wear suitable respiratory equipment: A suitable mask with filter type A (EN14387 or EN405) may be appropriate.

Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Odourless.
Odour Threshold	Not available.
pH	Not available.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	Not available.
Flash Point	134.2°C [Closed cup] (Reaction mass of diisobutyl adipate and diisobutyl glutarate and diisobutyl succinate)
Evaporation rate	Not available.
Flammability (solid, gas)	Extremely flammable aerosol.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Slightly soluble (Reaction mass of diisobutyl adipate and diisobutyl glutarate and diisobutyl succinate)
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Kinematic Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents, Alkaline, Acids.

NEOINDUS 1ES - AEROSOL

10.6 Hazardous Decomposition Product(s) No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity	Low acute toxicity. Reaction mass of diisobutyl adipate and diisobutyl glutarate and diisobutyl succinate: Oral: LD50(rat) >2000mg/kg Dermal: LD50(rat) >2000mg/kg Inhalation: LC50(rat) >11mg/l
skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	It is not a skin sensitizer in animal tests.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	None anticipated.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
11.2 Other information	None.


12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Low toxicity to aquatic organisms. Reaction mass of diisobutyl adipate and diisobutyl glutarate and diisobutyl succinate: Copepod <i>Acartia tonsa</i> : LL50 (48 hour) = 25mg/l Skeletonema <i>costatum</i> : EL50 (72 hour) = 7.9mg/l
12.2 Persistence and degradability	Readily biodegradable. Unlikely to persist. Reaction mass of diisobutyl adipate and diisobutyl glutarate and diisobutyl succinate: OECD 306 (>28 days) = 68% OECD 301D (>28 days) = 80%
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	Reaction mass of diisobutyl adipate and diisobutyl glutarate and diisobutyl succinate: Slightly soluble. The substance is predicted to have low mobility in soil.
12.5 Results of PBT and VPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility. Refer to manufacturer for information on recovery/recycling. Do NOT landfill.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	
UN No.	1950
14.2 UN proper shipping name	
UN proper shipping name	AEROSOLS, flammable
14.3 Transport hazard class(es)	
ADR/RID Class	2
IMDG Class	2
IMDG EMS	Not available
ICAO/IATA	
Excepted Quantities	Not applicable
Passenger and Cargo Aircraft Limited Quantities	Y203
Packing Instructions	
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30 kg
Passenger and Cargo Aircraft Packing Instructions	Forbidden for transport by air.
Passenger and Cargo Aircraft Max net Qty	Forbidden for transport by air.
Cargo Aircraft Packing Instructions	203
Cargo Aircraft Max net Qty	150 kg
Limited Quantities Inner packaging	1 L
Special Provisions	Forbidden for transport by air.
Emergency Response Guidebook (ERG) Code	10P
ADR Classification Code	5F
ADR HIN	Not applicable
ADR Transport Category	2
Tunnel Restriction Code	D
Emergency Action Code	Not applicable
APP Advice on Additional Personal Protection (APP)	Not applicable
14.4 Packing group	
Packing group	Not applicable
Labels	2.1
	
Special Provisions	190 327 344 625
Limited Quantities	1 L
Excepted Quantities	E0
Mixed Packing Instructions for Packages	P207 LP02
Special Packing Provisions for Packages	PP87 RR6 L2
Mixed Packing Instructions for Packages	MP9
14.5 Environmental hazards	
Environmental hazards	Not classified as a Marine Pollutant.
14.6 Special precautions for user	
Special precautions for user	Not known.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
Packing Instructions for Portable Tanks	Not applicable
Special Provisions for Portable Tanks	Not applicable
Tank Code for Tanks	Not applicable
Special Provisions for Tanks	Not applicable
Vehicle for Tank Carriage	Not applicable
Special Provisions for Carriage - Packages	V14
Special Provisions for Carriage - Bulk	Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling	CV9 CV12

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
	REACH: ANNEX XIV list of substances subject to authorisation	All chemicals are not listed.
	REACH: ANNEX IV Exemptions from the Obligation to Register in accordance with Article 2(7)(a)	Listed: Carbon dioxide (CAS No.: 124-38-9)
	Community Rolling Action Plan (CoRAP)	All chemicals are not listed.
	Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants	All chemicals are not listed.
	Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer	All chemicals are not listed.
	Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals	All chemicals are not listed.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not applicable.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 8, 14, 15

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
OECD	Organisation for Economic Cooperation and Development
Aerosol 1	Aerosol Category 1

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Annex to the extended Safety Data Sheet (eSDS)

Not applicable.