

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

1.1 Product identifier:

Trade name: **STORM BIRD POO & INSECT REMOVER RTU**
Product code: **STORMBIRDPOO750**

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

Relevant identified uses of the substance or mixture:

Water based hard surface cleaner.

Uses advised against:

Do not use for purposes other than those stated in "Recommended uses"

1.3 Details of the supplier of the safety data sheet

Lodi UK Ltd Bays 3 & 4, Building 69 Third Avenue Pensnett Trading Estate Kingswinford DY6 7FD
Tel: +44 01384 404242 (office hours only)
Emergency tel: +44 01384 404242 (office hours only)

1.4 Emergency telephone number

Emergency information services / official advisory body:

Country	Organisation/ Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111
United Kingdom	National Poisons Information Service Edinburgh Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle- upon-Tyne NE1 4LP Newcastle	0344 892 0111
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Eye Irritation Category 2 H319

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

Hazard pictograms:



GHS07

Signal word:

Warning

Hazard statements:

H319: Causes serious eye irritation.

produce an EUH208: Contains citral, citronellol, geraniol, limonene, linalool. May allergic reaction.

Precautionary statements: P102: Keep out of reach of children.
P260: Do not breathe spray.
P264: Wash hands, forearms and face thoroughly after handling.
P280: Wear protective gloves/protective clothing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

Hazardous components within the meaning of the CLP regulation and related classification:

Substance:	EC/CAS numbers:	EU Index No./REACH Registration Number:	CLP Classification:	Percent:
(2-methoxy methyl ethoxy) propanol; Dipropylene glycol monomethyl ether	34590-94-8/ 252-104-2	-/ 01-2119450011-60	[None] Substance with Workplace Exposure Limit. Specific Concentration Limits, M-factors and ATEs if available: [None]	1 - 10
Alcohols, C9-11, ethoxylated	-/ 68439-46-3	-/ 01-2119980051-45	Acute Tox. 4: H302 Eye Dam. 1: H318	1 - 10
Triethanolamine; 2,2',2"-nitrilotriethanol	102-71-6/ 203-049-8	-/ 01-2119486482-31	[None] Substance with Workplace Exposure	1 - 10

			Limit. Specific Concentration Limits, M-factors and ATEs if available: [None]	
Perfume sharp lemon 13264 (containing citral, citronellol, geraniol, limonene, linalool)	Not applicable.	Not applicable.	Flam. Liq. 3: H226 Skin Sens. 1B: H317 Aquatic Chronic 1: H410 Skin Irrit. 2: H315 Eye Irrit. 2: H319 Asp. Tox. 1: H304 EUH208 Specific Concentration Limits, M-factors and ATEs if available: [None]	< 1
Dimethyl C12-C14 alkyl betaines	-/ 66455-29-6	-/ 01-2119529251-48	Skin Irrit. 2: H315 Eye Dam. 1: H318 Aquatic Chronic 3: H412 Specific Concentration Limits, M-factors and ATEs if available: [None]	< 1

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of: Dermal exposure, wash skin with water and then with water and soap. Seek medical attention if ill effect or irritation develops.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek IMMEDIATE medical advice.

In case of Ingestion:

There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest. Assure fresh air breathing
Seek medical attention if breathing difficulties appear and persist.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.



Issue date: 27/06/2023
 Revision: 02
 Version: 03
 Replaces: SDS dated 01.11.2022

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred.
 Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
 Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
 Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Suitable extinguishing media for the surrounding fire should be used.

Use water spray to cool containers.

Unsuitable extinguishing media None known

5.2 Special hazards arising from the substance or mixture

In combustion emits toxic fumes. Water based product. Advice relates to dry residues after water has evaporated.

5.3 Advice for firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4 Reference to other sections

For personal protective equipment see Section 8.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Keep container tightly closed. Instructions as regards storage premises: Adequately ventilated premises.

7.3 Specific end use(s)

Water based hard surface cleaner.

SECTION 8: Exposure controls/personal protection
8.1 Control parameters

Occupational exposure limit values for components where set:

Substance	Country	CAS number	Workplace Exposure Limit			
			Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)	
			ppm	mg.m ⁻³	ppm	mg.m ⁻³
(2-methoxy methyl ethoxy) propanol	European Union	34590-94-8	50	308	-	-
	United Kingdom		50 (Sk)	308 (Sk)	-	-
Triethanolamine	Ireland	102-71-6	-	5	-	-

Source: GESTIS International Limit Values.

Notes: Sk – Skin

DNEL Exposure Limit Values

Not available

PNEC Exposure Limit Values

Not available

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. (Emergency category = FIRE)

Hand protection: Protective gloves.

Eye protection: Ensure eye bath is to hand. Safety glasses.

Skin protection: Protective clothing.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Colourless liquid.	--	--
Odour:	Citrus/lemon	--	--
Odour threshold:	Not available	--	--
pH:	10 – 11	--	--
Melting point / freezing point:	0°C	--	--
Initial boiling point and boiling range:	100°C	--	--
Flash point:	Not available	--	--
Evaporation rate:	Slow	--	--
Solid/gas flammability:	Not available	--	--
Upper/lower flammability or explosive limits:	Not available	--	--
Vapour pressure:	Not available	--	--
Vapour density:	Not available	--	--

Relative density:	1.005	--	--
Solubility in water:	Highly soluble	--	--
Solubility in oil:	Not available	--	--
Partition coefficient (n-octanol/water):	Not available	--	--
Auto-ignition temperature:	Not available	--	--
Decomposition temperature:	Not available	--	--
Viscosity:	Non-viscous.	--	--
Explosive properties:	Not available	--	--
Oxidizing properties:	Not available	--	--

9.2 Other information

Properties	Value	Method:	Notes:
Miscibility:	Not available	--	--
Fat Solubility:	Not available	--	--
Conductivity:	Not available	--	--
Substance Groups relevant properties	Not available	--	--

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat.

10.5 Incompatible materials

Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

(a) acute toxicity:
Not classified; no information.

Ingredients where available:

(2-METHOXY METHYL ETHOXY) PROPANOL
ORAL RAT LD50 6.6 g/kg

PRIMARY ALCOHOL ETHOXYLATE C9-11 6 MOLE
IHL RAT LC50 >5 mg/l

ORAL	RAT	LD50	200-2000 mg/kg
SKN RAT	LD50	>2000	mg/kg

TRIETHANOLAMINE

ORAL	RAT	LD50	>2 g/kg
SKN RBT	LD50	>10	g/kg

PERFUME SHARP LEMON 13264 (CONTAINING CITRAL, CITRONELLOL, GERANIOL, LIMONENE, LINALOOL)

DERMAL	Human	LD50	>5000 mg/kg
ORAL	Human	LD50	>5000 mg/kg
VAPOURS	Human	LD50	>5000 mg/kg

DIMETHYL C12-C14 ALKYL BETAINES

ORAL	RAT	LD50	>2000mg/kg
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(b) skin corrosion/irritation:
Not classified.

(c) serious eye damage/irritation:
Product:
Classified as Eye Irritation Category 2.

(d) respiratory or skin sensitisation:
Not classified.

(e) germ cell mutagenicity:
Not classified.

(f) carcinogenicity:
Not classified.

(g) reproductive toxicity:
Not classified.

(h) STOT-single exposure:
Not classified.

(i) STOT-repeated exposure:
Not classified.

(j) aspiration hazard:
Not classified.

Symptoms / routes of exposure:

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

11.2 Information on other hazards:

Endocrine disrupting properties: None

Other information: None

SECTION 12: Ecological information



Issue date: 27/06/2023
 Revision: 02
 Version: 03
 Replaces: SDS dated 01.11.2022

12.1. Toxicity
(2-METHOXY METHYL ETHOXY) PROPANOL
 BLUEGILLS 96H LC50 >1000 mg/l

PRIMARY ALCOHOL ETHOXYLATE C9-11 6 MOLE
 FISH 96H LC50 1-10 mg/l

TRIETHANOLAMINE
 FISH 48H EC50 1390 mg/l
 FISH 96H LC50 >5000 mg/l

12.2. Persistence and degradability
 Biodegradable. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential
 No bioaccumulation.

12.4. Mobility in soil
 Readily absorbed into soil. Volatile. Soluble in water.

12.5. Results of PBT and vPvB assessment
 vPvB Substances: None
 PBT Substances: None

12.6. Other adverse effects
 Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations: The product will not be dangerous to the environment when diluted in waste water systems and may be disposed of as low-hazard chemical waste within the scope of national and local regulations/permits.

Recovery operations: Not applicable.

Waste code number: 20 01 30

Disposal of packaging: Dispose of as normal industrial waste. Clean with water.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

14.1. UN number
 Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name
 Not available

14.3. Transport hazard class(es)
 Not available

14.4. Packing group
 Not available

14.5. Environmental hazards
 Not available

14.6. Special precautions for user
 Not available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulations

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 (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.

COMMISSION REGULATION (EU) 2015/830 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Dir. 2004/42/EC (VOC directive)

Other information:

According to Detergent Regulations EC 648/2004, the product contains amongst other ingredients:

Anionic surfactants <5%

Perfumes

National Regulations/legislation:

Refer to applicable national classification, packaging and labelling legislation.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for the mixture.

SECTION 16: Other information

(a) Reasons for revision:

Update to latest version of REACH.

(b) Abbreviations and acronyms:

Acute Tox. 4:	Acute Toxicity Category 4
Aquatic Chronic 1/3:	Aquatic Chronic Toxicity Category 1/3
ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
Asp. Tox. 1:	Aspiration Toxicity Category 1
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labelling, Packaging.
CSR:	Chemical safety report
DNEL:	Derived No Effect Level.
EC50:	Effective Concentration 50%
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
Eye Dam. 1:	Eye Damage Category 1
Eye Irrit. 2:	Eye Irritation Category 2
Flam. Liq. 3:	Flammable Liquid Category 3
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

SAFETY DATA SHEET according to Regulation (EC) 2015/830



Issue date: 27/06/2023
Revision: 02
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ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
N.A.:	Not available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
Skin Irrit. 2	Skin Irritation Category 2
Skin Sens. 1B:	Skin Sensitisation Category 1B
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
UN:	United Nations
vPvB	very persistent and very bioaccumulative
WGK:	German Water Hazard Class.

(c) Key literature references and sources for data:

Safety Data Sheets for ingredients.
ECHA Database
ECHA Guidance on the compilation of safety data sheets
ECHA guidance on the Application of the CLP Criteria

(d) Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Eye Irritation Category 2	Classification according to expert judgement.

(e) Relevant H-statements and precautionary statements not written out in full under Sections 2 to 15:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

(f) Training advice:

Employee instruction/training in handling hazardous materials is required.

(g) Further information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.
General occupational hygiene training recommended.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product