

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

Date of last issue: 09/04/2017

SECTION 1. IDENTIFICATION

Product name : PARSOL® SLX

Substance name : dimethicodiethylbenzal malonate

Manufacturer or supplier's details

Company name of supplier : DSM Nutritional Products Canada

Address : 395 Waydom Drive
Ayr ON N0B 1E0

Telephone : (519) 624-2771
Telefax : (519) 623-4849

Emergency telephone number : 1-800-424-9300 (24 HR CHEMTREC, CA & US); Outside CA & US +1-703-527-3887 (COLLECT CALLS ACCEPTED)

E-mail address of person responsible for the SDS : sds.nutritionalproducts@dsm.com

Recommended use of the chemical and restrictions on use

Recommended use : **UV filter**
Ingredient for personal care products

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the Hazardous Products Regulations**

Acute toxicity (Inhalation) : Category 2

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H330 Fatal if inhaled.

Precautionary statements :

Prevention:
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P271 Use only outdoors or in a well-ventilated area.
P284 Wear respiratory protection.

Response:
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

Date of last issue: 09/04/2017

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Polysilicone-15 (INCI)

Brief description of the product : Substance

Substance name : dimethicodiethylbenzal malonate

CAS-No. : 207574-74-1

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
dimethicodiethylbenzal malonate	207574-74-1	>= 90 - <= 100

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Symptoms of poisoning may appear several hours later.

If inhaled : Move to fresh air.
Keep patient warm and at rest.
Keep respiratory tract clear.
If unconscious, place in recovery position and seek medical advice.
Call a physician or poison control centre immediately.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed : No specific symptoms known.

Notes to physician : Treat symptomatically.

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

Date of last issue: 09/04/2017

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
Dry chemical
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : None known.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.
Use personal protective equipment.
Ensure adequate ventilation.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge.
Product will burn under fire conditions.
Avoid formation of aerosol.
- Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).
For personal protection see section 8.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep container tightly closed and dry.
Prevent unauthorized access.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- To maintain product quality, do not store in heat or direct sun-

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

Date of last issue: 09/04/2017

light.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

In the case of vapour formation use a respirator with an approved filter.

Hand protection

Material : Nitrile rubber
: Fluorinated rubber

Eye protection : Safety glasses with side-shields

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Avoid contact with skin, eyes and clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance : liquid

Colour : colourless - pale yellow

Odour : slight, characteristic

Odour Threshold : No information available.

pH : No data available

Solidification point : $\leq -50\text{ °C}$ (OECD Test Guideline 102)

Boiling point/boiling range : $> 223\text{ °C}$ (1,013 hPa)
Decomposes below the boiling point.
ca. $1,600\text{ °C}$ (calculated value)

Flash point : 174 °C (closed cup)

Evaporation rate : not determined

Lower explosion limit :
not determined

Upper explosion limit : not determined

Vapour pressure : $< 0.00001\text{ hPa}$ (25 °C ; OECD Test Guideline 104)

Relative vapour density : not determined

Density : 1.023 g/cm^3 (20 °C ; OECD Test Guideline 109)

Water solubility : $\leq 0.1\text{ mg/l}$ (20 °C)
practically insoluble

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

Date of last issue: 09/04/2017

Solubility in other solvents	: various organic solvents: soluble n-Octanol: 46 g/l (20 °C)
Partition coefficient: n-octanol/water	: log Pow $\geq$ 5.66 (20 °C)
Ignition temperature	: 430 °C (DIN 51794)
Thermal decomposition	: Decomposes on heating.
Viscosity, dynamic	: 600 - 1,000 mPa.s (25 °C)
Explosive properties	: Not explosive
Oxidizing properties	: No data available

Other information

Refractive index	: 1.440 - 1.445 (20 °C)
Surface tension	: 73 mN/m (20 °C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No hazards to be specially mentioned.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Possible incompatibility with materials listed under section 10.5.
Conditions to avoid	: Heat
Incompatible materials	: Strong acids and strong bases Strong oxidizing agents
Hazardous decomposition products	: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation
Acute oral toxicity	: LD50 (Rat): > 2,000 mg/kg (Fixed Dose Method)
Acute inhalation toxicity	: LC50 (Rat, 4 h): 0.285 - 1.838 mg/l This Acute Inhalation Toxicity Study was done under very specific conditions. These conditions were designed to produce a respirable aerosol. The test substance was heated to 50°C plus as a main condition. These conditions are not realistic for use of this product with normal handling.
Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg
Skin irritation	: No skin irritation (Rabbit, OECD Test Guideline 404)

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

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	: no phototoxic skin reaction (Guinea pig, OECD Test Guideline 406)
Eye irritation	: No eye irritation (Rabbit, OECD Test Guideline 405)
Sensitisation	: Did not cause sensitization. (Guinea pig, Maximisation Test, OECD Test Guideline 406) : no photoallergenic skin reaction (Guinea pig, Maximisation Test, OECD Test Guideline 406)
Genotoxicity in vitro	: not mutagenic, not genotoxic (Various test systems) : not photomutagenic, not photogenotoxic (Various test systems)
Genotoxicity in vivo	: not genotoxic (Mouse, Oral, Mutagenicity (micronucleus test))
Carcinogenicity	: This information is not available.
Reproductive toxicity	: This information is not available.
Teratogenicity	: not teratogenic NOAEL: 1,000 mg/kg bw/d (Rat, OECD Test Guideline 414)
STOT - single exposure (Acute exposure)	: The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure	: NOAEL (Oral, Rat) : 1000 mg/kg bw/d Sub-chronic toxicity study (90-day)
Aspiration toxicity	: No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish	: Cyprinus carpio (Carp) NOEC (96 h) > 100 mg/l (nominal concentration) (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	: Daphnia magna (Water flea) EC50 (48 h) > 10,000 mg/l (nominal concentration) (OECD Test Guideline 202)
Toxicity to algae	: Scenedesmus capricornutum (fresh water algae)

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

Date of last issue: 09/04/2017

NOEC (72 h) > 100 mg/l
(nominal concentration)
(OECD Test Guideline 201)

Toxicity to bacteria : activated sludge
NOEC (35 d) 100 mg/l
No inhibition was observed under the biodegradation test conditions.
(nominal concentration)
(OECD Test Guideline 301F)

Persistence and degradability

Biodegradability : Not readily biodegradable.
< 1 % (35 d)
(OECD Test Guideline 301F)

: Not inherently biodegradable.
< 1 % (35 d)
(OECD Test Guideline 302C)

Bioaccumulative potential

Bioaccumulation : No significant bioaccumulation expected due to high molecular weight.

Partition coefficient: n-octanol/water : log Pow $\geq$ 5.66 (20 °C)

Mobility in soil

Distribution among environmental compartments : No data available

Surface tension : 73 mN/m (20 °C)

Results of PBT and vPvB assessment

Assessment : The substance does not fulfill the PBT criteria.
: The substance does not fulfill the vPvB criteria.

Other adverse effects

Additional ecological information : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : User must determine if any wastes generated exhibit hazardous characteristics as per 40 CFR Part 261 or other national / local legislation.

Discharge into the environment must be avoided.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not dispose of waste into sewer.
Offer surplus and non-recyclable solutions to a licensed dis-

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

Date of last issue: 09/04/2017

posal company.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

National Regulations**TDG**

Not regulated as a dangerous good

TDG

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**Canadian lists**

No substances are subject to a Significant New Activity Notification.

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Tox-

PARSOL® SLX**5010438**

Version 3.0

Revision Date 11/13/2018

Date of last issue: 09/04/2017

icology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

ACGIH = American Conference of Governmental Industrial Hygienists. CFR = Code of Federal Regulations. EPA = Environmental Protection Agency. NIOSH = National Institute of Occupational Safety and Health. OSHA = Occupational Safety and Health Administration. STEL = Short term exposure limit. TLV = Threshold Limit Value. TWA = Time Weighted Average.

Revision Date : 11/13/2018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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