



ANSHUL SPECIALTY MOLECULES PVT LTD.				
TITLE : SDS OF DIMETHYL ANTHRANILATE				
(OSHA - DIRECTIVE NUMBER: CPL 02-02-079 Hazard Communication Standard (HCS 2012)				
ISSUE NO	02		DEPT	EHS
DOCUMENT NO.	QD/EHS/16/DMA		PAGE NO.	1 of 12
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SUPERSEDES	03		REVIEW DATE	31.03.2029

SECTION 01 : IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY /UNDERTAKING

1.1 Product identifiers

Product name : **DIMETHYL ANTHRANILATE**
 Product Number : --
 Company / Brand : Anshul
 REACH No : 01-2120736989-31-0003
 CAS-No. : 85-91-6

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

Identified uses : Application in flavour & Fragrances Bird repellent and
 Manufacture of other substances

1.3 Details of the supplier of the safety data sheet

Company : Anshul Specialty Molecules Pvt.Ltd.
 Flexcel Park ,C-wing ,2nd Floor, ,S.V.Road,
 Near 24 Karat Multiplex, Jogeshwari (West)
 Mumbai-400 102 ,INDIA

1.4 Emergency telephone number

Emergency Phone # : +91 98194 90645
 +91 88797 10202

SECTION 02 : HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture : This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Label elements

Labelling according Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation

Pictogram



GHS07

Signal word : Warning

Hazard statements

H319 : Causes serious eye irritation.

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Precautionary statements

P 264	:	Wash skin thoroughly after handling.
P 273	:	Avoid release to the environment.
P 280	:	Wear protective gloves /protective clothing /eye protection /face protection.
P305 + P351 + P338	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P 362	:	Take off contaminated clothing and wash before reuse.
P332 + P 313	:	If skin irritation occurs: Get medical attention
P 337 + P 313	:	If eye irritation persists : Get medical attention
P 501	:	Dispose of the contents / container in accordance with local /regional / national / international regulations.
Supplemental Hazard Statements	:	None

- 2.3 **Other hazards** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 03 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Synonyms :	:	Methyl N-methylantranilate Methyl 2-methylaminobenzoate
Formula :	:	C ₉ H ₁₁ NO ₂
Molecular weight :	:	165.19 g/mol
CAS-No.	:	85-91-6
EC-No.	:	201-642-6

Component	Classification	Concentration
Methyl N-methylantranilate		
CAS-No. : 85-91-6	Skin Irrit. 2; Eye Irrit. 2; H315, H319	<= 100 %
EC-No. : 201-642-6		

SECTION 04 : FIRST AID MEASURES

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.



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If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed : No data available

SECTION 05: FIREFIGHTING MEASURES

- 5.1 Extinguishing Media**
Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry powder or carbon dioxide.
- 5.2 Flash Point** : 133°C (CC)
- 5.3 Auto ignition temp** : No data available
- 5.4 Explosive Limit** : No data available
- 5.5 General Information :** : As in any fire , wear a self - contained breathing apparatus with full face piece operated in a positive pressure mode. NIOSH (approved or equivalent
- 5.6 Precautions for firefighters** : Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so.
- 5.7 Special hazards arising from the substance or mixture** : Carbon oxides
Nitrogen oxides (NOx)



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Combustible.

Vapors are heavier than air and may spread along floors.

Risk of dust explosion.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.8 NFPA RATING

Health
2

Flammability
1

Instability
0

Physical hazards
--

SECTION 06: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions** : Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.
- 6.2 Environmental precautions** : Do not let product enter drains.
- 6.3 Methods and materials for containment and cleaning up** : Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal
- 6.4 Reference to other sections** : For disposal see section 13.

SECTION 07: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** : Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation
- 7.2 Conditions for safe storage, including any incompatibilities** : **STORAGE CONDITION** : Keep containers tightly closed. Store the material at Ambient Temperature.
PRECAUTIONARY MEASURES: Containers which are opened shall be kept upright to prevent leakage. Handle and store under inert gas and Keep container tightly closed when not in use. **Avoid prolonged exposure to heat & light.**



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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep air borne concentrations low

8.2 Exposure controls : **Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product

Personal Protective Equipment

Eyes /Face : Wear Chemical Safety Goggles.

Protection : Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



Hand protection : Wear appropriate protective gloves to prevent skin expose.



Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection : Wear a chemical apron.
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.



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- 8.1 Engineering Controls** : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep air borne concentrations low
- 8.2 Personal Protective Equipment**
- Eyes** : Wear Chemical Safety Goggles.
- Skin** : Wear appropriate protective gloves to prevent skin expose.
- Clothing** : Wear a chemical apron.
- Respirators** : Wear a NIOSH approved full face piece airline respirator in the positive pressure mode with emergency escape provisions

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance : Form: clear, liquid
- b) Odour : No data available
- c) Odour Threshold : No data available
- d) pH : 4,83 at 29 °C
- e) Melting point/ freezing point : 17 - 19 °C
- f) Boiling point : 256 °C
- g) Flash Point : 133 °C / 271.4 °F (CC)
- h) Evaporation rate : No data available
- i) Vapour pressure : 2,74 hPa at 25 °C
- j) Vapour density : No data available
- k) Density : 1.126 g/cm³ at 25 °C
- Relative density : No data available
- l) Water solubility : No data available



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- m) Partition coefficient: n-octanol : No data available
/water
- n) Decomposition temperature : No data available
- o) Viscosity : Viscosity, kinematic: 31,86 mm²/s at 20 °C - OECD
Test Guideline 114
Viscosity, dynamic: 35,78 mPa.s at 20 °C - OECD
Test Guideline 114
- p) Explosive properties : No data available
- q) Oxidizing propertie : No data available

9.2 Other safety information

Relative vapour density : -- (Air = 1.0)

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** : None known, based on information available.
- 10.2 Chemical stability** : Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reaction** : Violent reactions possible with:
Oxidizing agents.
- 10.4 Conditions to avoid** : Spark, Open flame, Static discharge
- 10.5 Incompatible materials** : Oxidizing agents
- 10.6 Hazardous decomposition products** : Hazardous decomposition products formed under fire
conditions. - Carbon oxides, Nitrogen oxides (NO_x)
Other decomposition products - No data available

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Acute Toxicity** : LD50 Oral - Rat - female - > 2.000 mg/kg
(OECD Test Guideline 423)
LC50 Inhalation : 115.1mg/l (Tribolium destructor larvae)
(Acute Toxicity: inhalation)
LD50 Dermal - Rat - male and female - > 2.000 mg/kg
(OECD Test Guideline 402)
No data available



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Skin corrosion/irritation	:	Skin - Rat Result: No skin irritation - 24 h (OECD Test Guideline 402)				
Serious eye damage/irritation	:	Eyes - In vitro study Result: irritating (OECD Test Guideline 492)				
Germ cell mutagenicity	:	No data available				
Carcinogenicity Dimethyl anthranilate The table below indicates whether each agency has listed any ingredient as a carcinogen	:	IARC	NTP	ACGIH	OSHA	Mexico
		Not listed	Not listed	Not listed	Not listed	Not listed
Reproductive toxicity	:	No data available				
TLV	:	No data available				
STEL	:	No data available				
Specific target organ toxicity - single exposure	:	No data available				
Specific target organ toxicity - repeated exposure	:	No data available				
Aspiration hazard	:	No data available				
Endocrine disrupting properties Product: Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity - Rat - male - Oral - 90 d Remarks: (ECHA) RTECS: CB3500000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated				



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SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- Fish:** : Static test LC50 - Danio rerio (zebra fish) - > 12,5 mg/l - 96 h (OECD Test Guideline 203)
- Toxicity to daphnia and other aquatic invertebrates** : Remarks: No data available (methyl N-methylantranilate)
- Algae:** : Static test ErC50 - Desmodesmus subspicatus (green algae) - 111,7 mg/l - 72 h (OECD Test Guideline 201)
- 12.2 Persistence / degradability** : Result: 52,84 % - Inherently biodegradable. (OECD Test Guideline 301D)
- 12.3 Bioaccumulative potential(BCF)** : Fish(methyl N-methylantranilate) Bioconcentration factor (BCF): 33,3
- 12.4 Mobility in soil** : No data available
- 12.5 Log Pow:** : No data available
- Soil adsorption (Koc)**
- 12.6 Spill forbidden** : No data available
- 12.7 Biodegradability** : No data available
- 12.8 Results of PBT and vPvB assessment** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- 12.9 Endocrine disrupting properties**
- Product :** : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
- Assessment**

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** : **Product**
- Dispose off in a manner consistent with Federal, State and Local Regulations Offer surplus and non-recyclable



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X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Australia (AICS), China (IECSC), Korea (ECL).

Component	CAS-No	DSL	NDSL	EINECS	PICCS	ENCS	AICS	IECSC	KECL
Dimethyl anthranilate	85-91-6	X	X	201-642-6	X	X	X	X	X

U.S. Federal Regulations

SARA 313 : Not applicable

SARA 311/312 Hazard : See section 2 for more information

Categories

CWA (Clean Water Act) : Not applicable

OSHA - Occupational Safety : Not applicable

and Health Administration

CERCLA : Not applicable

California Proposition 65 : This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know : Not applicable

Regulations

U.S. Department of Transportation

Reportable Quantity (RQ): : N

DOT Marine Pollutant : N

DOT Severe Marine Pollutant : N



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U.S. Department of Homeland : This product does not contain any DHS chemicals

Security

Other International Regulations

Mexico - Grade : No information available

SECTION 16: OTHER INFORMATION

- 16.1 The above information is believed to be accurate and represents the best information currently available to us. However we make no warranty of merchantability or any other warranty, express or implied, with respect to such information and we assume no liability resulting from it's use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall ANSHUL SPECIALTY MOLECULES PVT. LTD. be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from use or reliance upon this information.
