MATERIAL SAFETY DATA SHEET

SECTION-1: CHEMICAL IDENTIFICATION

COMMON NAME	: TRAMADOL HYDROCHLORIDE
SYNONYM	: NA
CHEMICAL NAME	*:(1R,2R)-2-(dimethyl amino methyl)-1-(3-methoxyphenyl)cyclohexan-1-ol.*
MOLECULAR FORMULA	: $C_{16}H_{25}NO_2$
MOLECULAR WEIGHT	: 263.37
CAS NUMBER	: [27203-92-5]
CHEMICAL FAMILY	: N/A
THERAPEUTIC CATEGORY	: Anelgesic

SECTION-2: INGREDIENT INFORMATION

Principle compound	Percent
Tramadol Hydrochloride	: Pure material

SECTION-3: HAZARDS IDENTIFICATION

Not considered hazardous when handled under normal conditions with good house keeping.

SECTION- 4: FIRST AID MEASURES

In case of inhalation	: Physiscal oform suggest that risk of inhalation exposure is negligible.
In case of contact with skin	:Using appropriate personnel protective equipment, remove contaminated clothing and flush exposed area with large amounts of water. Obtaine medical attention if skin reaction occurs, which may be immediate or delayed.
In case of contact with eyes	: Wash immediately with clean and gently flowing water. Continue for atleast 15 min. Obtained medical attention.
In case of ingestion	: If swallowed, wash out mouth with water. If the exposed subject is fully consciuous, give plenty of water to drink. Obtained medical attention.

Remove and wash / dispose of contaminated clothing promptly.

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Sign : Date : 08/06/20

SECTION- 5: FIREFIGHTING MEASURES

Unusual fire and explosion hazards : Not expected for the product, although the packaging is combustible.

Extinguishing media : Water or foam, extinguishers are recommended. Carbon dioxide or dry extinguishers may be infective.

Special fire fighting procedures :Wear self-contained breathing apparatus and protective clothing to prevent contact with the skin and eyes.

Hazardous Combustion Products :Toxic, corrosive or flammable thermal decomposition products are expected when the product is exposed to fire.

SECTION- 6: ACCIDENTAL RELEASE MEASURES

Ensuring personal safety, mark out contaminated area with signs and prevent unauthorised access. Turn leaking containers up to prevent further Evaculate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep –up/absorb in suitable material, place in a container and hold for disposal. Avoid raising dust. Ventilate area and wash spill site after material pick- up complete.

SECTION- 7: HANDLING AND STORAGE

Handling : Use only in area provided with appropriate exhaust ventilation.

Safe Handling advise : Wear personnel protective equipment. Remove and wash contaminated clothing before reuse.

Storage : Store in a room temperature and protect from light

SECTION- 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.

Eye protection : Safety glasses.

Hand protection : PVC or other plastic material gloves.

Industrial hygiene :Immediately change contaminated clothing. Wash hands and face after working with substance.

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SECTION- 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Powder
Odour	: None
Solubility	: Soluble in water.

SECTION- 10: ECOLOGICAL INFORMATION

Do not allow product to enter drinking water supplies, wastewater or soil.

SECTION- 11: DISPOSAL CONSIDERATIONS

Dissolve or mix material with a suitable combustible solvent and incinerate in a chemical incinerator equipped with an afterburner and scrubber.

Material should be disposed of in keeping with all local and national legislation. Packing should be disposed of in keeping with all local and national legislation. Handle contaminated containers as product.

SECTION- 12: OTHER INFORMATION

While the information herein is believed to be reliable, it is furnished with out warranty of any kind. It shall be used only as a guide. We assume no liabilities from the use of this product or information contained herein.

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