FlawGlo_R

MATERIAL SAFETY DATA SHEET OF SD 175

1. Identification of the Product and the Company:

1. Idefinited for of the frodoer	and me company.	
Product Identifier Use of the product Manufacturer and Supplier Address Telephone No. E-mail	: SD 175 : Industrial Use : Arora Technologies (P) Limited : Plot No. D-183/8, MIDC, TTC Nerul, Navi Mumb : T:+91-22-61380600 : E:info@arorandt.com W:www.arorandt.con	
2. Hazard Identification:		
Physical hazards	: Flammable aerosols : Gases under pressure	Category 1 Compressed Gas
Health hazards	: Specific target organ toxicity(single exposure) Aspiration hazard	
Environmental Hazards	: Hazardous due to aquatic enviroment, acute hazard	Category 2
OSHA defined hazards	: Not Classified	
Label elements		
Signal word	: Danger	
Hazard statement	: Extremely flammable aerosol. Contains gas ur heated. May be fatal if swallowed and enters	
Precautionary statement		
Prevention	: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open Flame. Pressurized container: Do not pierce or burn, even after use. Avoid breathing most or vapor.	
Response	: If swallowed: Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Do not induce vomit.	
Storage	: Store in well ventilated place. Keep container tightly closed. protect from sun.	
Disposal	: Dispose of contents/container in accordance international regulations.	with local/ regional/ national/
Hazard(s) not otherwise	: Not classified.	

classified (HNOC)

3. Composition/information on ingredients

Chemical name	CAS number	%
Propane	74-98-6 - 200-827-9, 01-2119486944-21, 106-97-8 - > 30%	
Butane	203-448-7, 01-2119474691-32	
Propan-2-ol	67-63-0, 200-661-7	50 - 75%
	01-2119457558-25	
4. First-aid measures		
Inhalation	: Move to fresh air. Call a physician if symptoms develop or persist.	
Skin contact	: Wash off with soap and water. Get medical attention if irritation develops and persists.	
Eye contact	: Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.	
Ingestion	: Get medical attention immediately, Rinse mouth. Do not inde	uce vomiting.
Most important	: May cause eye, skin and respiratory tract irritation. Diar	rhea. May cause
symptoms/effects, acute and delayed	drowsiness and dizziness. Irritation of eyes, nose and throat. sk	in Irritation.
Indication of immediate medical attention and special treatment needed	: Provide general supportive measures and treat symptomatically. al	
General information	: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.	



5. Firefighting Measures:

Suitable extinguishing media Unsuitable extinguishing media	: Water fog. Foam. Dry chemical powder. Carbon dioxide (Co2). : Do not use water jet as an extinguisher, as this will spread the fire.
	e : Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	: Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up.
Specific methods General fire hazards	Move containers from fire area if you can do so without risk.Extremely flammable aerosol.

6. Accidental release measures:

o. Accidental release measures.	
Personal precautions, protective: equipment and emergency procedures	Keep unnecessary personnel away. Use only non-sparking tools. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel of all environmental releases
7. Handling and storage:	
Precautions for safe handling :	Pressurised containers: Do not pierce or burn even after use. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Explosion proof exhaust ventilation is recommended. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid prolonged exposure.
Conditions for safe storage, : including any incompatibilities	Level 1 Aerosol. Do not handle or store near an open flame, heat or other sources of ignition. Do not puncture, incinerate or crush. Store away from incompatible materials (see Section 10 of the SDS). Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F.

8. Exposure controls/personal protection:

Occupational exposure limits

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Chemical name	CAS number	Туре	Value
Propan-2-ol	67-63-0	PEL	400 ppm
Butane	106-97-8	PEL	1000 ppm
US ACGIH Threshold Limi	t Values		
Chemical name	CAS number	Туре	Value
Propan-2-ol	67-63-0	PEL	200 ppm
		STEL	400 ppm
Butane	106-97-8	PEL	1000 ppm



US NIOSH: Pocket Guide to Chemical Hazards

Chemical name	CAS number	Туре	Value	
Propan-2-ol	67-63-0	TWA	400 ppm	
		STEL	500 ppm	
Butane	106-97-8	TWA	800 ppm	
Biological limit values	: No biological exposu	re limits noted for the ingr	redient(s).	
Exposure guidelines	: No exposure standar	: No exposure standards allocated.		
Appropriate engineering controls	: Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.			
Individual protection measur	es, such as personal prote	ctive equipment		
Eye/face protection Skin protection	: Wearsafety glasses v	vith side shields (or goggle	es).	
Hand protection Other	: For prolonged or repe : Wear suitable protect		uitable protective gloves.	
Respiratory protection Thermal hazards		with organic vapor cartric ermal protective clothing		
General hygiene considerati	hygiene measures, s	uch as washing after ho	Always observe good personal andling the material and before ash work clothing and protective	

equipment to remove contaminants.

9. Physical and chemical properties of active component

Appearance Physical state Form Color Odour Odour threshold pH Melting point/freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability (solid, gas) Upper/lower flammability or	 White liquid Liquid Aerosol White Characteristic Not available. NA NA Not available 12°C, 54°F. Not available Not available.
explosive limits Flammability limit – lower (%) Flammability limit – upper (%) Explosive limit – lower (%) Explosive limit – upper (%) Vapor pressure Vapor density Relative gravity Solubility (ies) Solubility (ies) Solubility (water) Partition coefficient (n-octanol/ water) Auto-ignition temperature Decomposition temperature Viscosity VOC (Weight %)	 Not available. 2% 12% Aerosol: 65psi at 24°C, 75°F. Not relevant. 0.89 Insoluble in water



10. Stability and reactivity

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Reactivity	: The product is stable and non-reactive under normal conditions of use,
	storage and transport.
Chemical stability	: Material is stable under normal conditions.
	ns: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Avoid temperatures exceeding the flash point. Contact with incompatible materials. Avoid temperatures above 122 °F (50 °C).
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products are known.
11. Toxicological information	
Information on likely routes of	
exposure	
Ingestion	: Expected to be a low ingestion hazard.
Inhalation	: Inhalation may cause respiratory irritation.
Skin contact	: May irritate the skin.
Eye contact	: May irritate the eyes. : May cause eye, skin and respiratory tract irritation, Diarrhea. May cause
Symptoms related to the physical, chemical and	drowsiness and dizziness. Headache. Nausea, vomiting. Irritation of nose and
toxicological characteristics	throat. Aspiration may cause pulmonary edema and pneumonitis. Irritation of
	eyes and mucous membranes. Skin irritation. High concentrations: Inhalation
	of propellant may cause respiratory irritation, dizziness, nausea, or drowsiness.
Information on toxicological eff	
Acute toxicity	May be fatal if swallowed and enters airways. Narcotic effects.
Skin corrosion/irritation	: Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye	: Direct contact with eyes may cause temporary irritation.
irritation	: Not a respiratory sensitizer.
Respiratory sensitization	: This product is not expected to cause skin sensitization.
Skin sensitization	: No data available to indicate product or any components present at greater
Germ cell mutagenicity	: than 0.1% are mutagenic or genotoxic.
Carcinogenicity	: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or : OSHA.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity –	: Not classified.
single exposure	: Not an appiration bazard
Aspiration hazard Chronic effects	Not an aspiration hazard. : Prolonged inhalation may be harmful.
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12. Ecological information:	
Ecotoxicity	: Toxic to aquatic organisms.
Persistence and degradability	: No data is available on the degradability of this product.
Bioaccumulative potential	: No data available for this product. : Not available.
Mobility in soil Other adverse effects	: No other adverse environmental effects (e.g. ozone depletion,
	photochemical ozone creation potential, endocrine disruption, global
	warming potential) are expected from this component.
13. Disposal considerations:	
Disposal instructions	: Collect and reclaim or dispose in sealed containers at licensed waste disposal
	site. Dispose of contents /container in accordance with local/ regional/
Waste from residues (upused	national/international regulations.
Waste from residues / unused products	: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be
•	disposed of in a safe manner (see: Disposal instructions).
14. Transport Information:	
DOT	
UN number	: Un1950
UN proper shipping name	: Aerosols
Transport hazard class(es)	: 2.1
Subsidiary classes	:-



Label(s)	: Limited Quantity, Class 2.1
Packing group	: Y203
Special precautions for user	: Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions	: 306
Packaging non bulk	: None.
Packaging bulk	: None
ΑΤΑΙ	
UNnumber	: Un1950
UN proper shipping name	: Aerosols
Transport hazard class(es)	: 2.1
Subsidiary classes	1 -
Label(s)	: Limited Quantity, Class 2.1
Packing group	: Y203
Environmental hazards	: No.
ERGCode	: 10L
Special precautions for user	: Read safety instructions, SDS and emergency procedures before handling.
IMDG	
UNnumber	: Un1950
UN proper shipping name	: Aerosols
Transport hazard class(es)	: 2.1
Subsidiary classes	:-
Label(s)	: Limited Quantity, Class 2.1
Packinggroup	: Notapplicable
Environmental hazards	
Marine pollutant	: No.
EmS	: Not available
Special precautions for user	: Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according	: Notestablished
to Annex II of MARPOL 73/78	
and the IBC Code	
15. Other information:	
Further information	: Health:2
HMIS® Ratings	Flammability: 2
livilee italiigs	Physical Hazard:0
NFPA Rating	
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List of abbreviations	: LD50: Lethal Dose, 50%.
	PEL: Permissible exposure limit.
	STEL: Short term exposure limit.
	TWA: Time weighted average.
Deferences	

References

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: HSDB®-Hazardous Substances Data Bank





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