



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • Mopar EGR System Cleaner

Synonyms • 68028729AA; 68028729AB

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

Recommended use • Engine Cleaner

Restrictions on use • No data available

Details of the supplier of the safety data sheet

Manufacturer • Mopar (FCA US LLC Service & Customer Care Division)
26311 Lawrence Ave.
Center Line, MI 48015
United States

MoparSDS@fcagroup.com

Telephone (General) • 1-800-84-Mopar

Emergency telephone number

Manufacturer • 248-512-8002

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • H319: Serious eye damage/eye irritation - Category 2

Label elements

OSHA HCS 2012

WARNING



Hazard statements • H319 Causes serious eye irritation

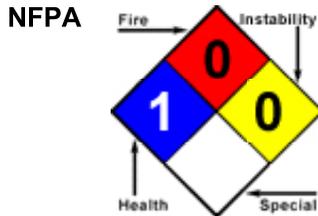
Precautionary statements

- Prevention** ● P264 - Wash hands thoroughly after handling.
P280 Wear personal protective equipment as required
- Response** ● P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If Eye Irritation Persists: Get Medical Advice/Attention
- Storage/Disposal** ● P501 Dispose of contents/container in accordance with all applicable federal, state, and local regulations.
P102 Keep out of reach of children.

Other hazards

- OSHA HCS 2012** ● No data available

Other information



HMIS ● Health = 1; Flammability = 0; Reactivity = 0; Personal Protection = A

Section 3 - Composition/Information on Ingredients

Substances

Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Isotridecanol, ethoxylated (> 5 -7 EO)	CAS:9043-30-5	5% TO 10%		OSHA HCS 2012: Acute Tox. 4 - H302; Eye Dam. 1 - H318	NDA
2-Propanol, 1-butoxy-	CAS:5131-66-8 EC Number:225-878-4 EU Index:603-052-00-8 EINECS:225-878-4	1% TO 5%		OSHA HCS 2012: Skin Irrit. 2 - H315; Eye Irrit. 2 - H319	NDA

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Skin

- Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye

- Remove victim immediately from source of exposure. Immediately flush with plenty of

water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.

Ingestion

- Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed

- Inhalation: May cause irritation to the respiratory system. Coughing, chest tightness, feeling of chest pressure. Ingestion May cause stomach pain or vomiting. Skin Contact: Prolonged contact may cause redness, irritation and dry skin. Eye Contact: Irritating and may cause redness and pain.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

- No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable Extinguishing Media • No data available

Firefighting Procedures • No specific fire fighting procedure given.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • No unusual fire or explosion hazards noted.

Hazardous Combustion Products • None under normal conditions. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

Advice for firefighters

- Use air-supplied respirator during fire fighting.

Flash point: >100 C PM Closed cup.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • Wear protective clothing.

Emergency Procedures • Stop leak if you can do it without risk.

Environmental precautions

- Avoid discharge to the aquatic environment. Keep spilled material from entering storm drains, sewers, or other environmental mediums.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Absorb liquid with vermiculite, floor absorbent or other absorbent material. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

Reference to other sections

- For personal protection, see section 8. For waste disposal, see section 13.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Avoid spilling, skin and eye contact. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not use in confined spaces without adequate ventilation and/or respirator.

Conditions for safe storage, including any incompatibilities

Storage

- Store in tightly closed original container in a dry, cool and well-ventilated place. Store at temperature below 50°C.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

Engineering Measures/Controls

- Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Personal Protective Equipment

Pictograms



Respiratory

- No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Eye/Face

- Wear splash goggles if the potential for splashing or spraying exists.

Hands

- Wear appropriate gloves.

Skin/Body

- Wear appropriate clothing to prevent any possibility of skin contact.

General Industrial Hygiene Considerations

- Do not eat, drink or smoke during work. Wash hands before eating, drinking, or smoking. When using do not smoke, eat, or drink. Wash promptly if skin becomes wet or contaminated. Use appropriate skin cream to prevent drying of skin. Use appropriate skin cream to prevent drying of skin.

Environmental Exposure Controls

- No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	No data available
Color	No data available	Odor	Characteristic
Taste	No data available	Particulate Type	No data available
Particulate Size	No data available	Aerosol Type	No data available
Odor Threshold	No data available	Physical and Chemical Properties	Liquid
General Properties			
Boiling Point	100 C(212 F) @ 760 mm Hg	Melting Point	0 C(32 F)
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	8 to 8.5 @ 20 C(68 F)	Specific Gravity/Relative Density	= 1 @ 20 C(68 F) Water=1
Density	No data available	Bulk Density	No data available
Water Solubility	100 %	Solvent Solubility	No data available
Viscosity	15.66 Centistoke (cSt, cS) or mm ² /sec @ 20 C(68 F)	Explosive Properties	No data available
Oxidizing Properties:	No data available		

Volatility

Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	No data available
VOC (Vol.)	< 50 g/L	Volatiles (Wt.)	No data available
Volatiles (Vol.)	No data available		

Flammability

Flash Point	> 100 C(> 212 F) PMCC (Pensky-Martins Closed Cup)	UEL	No data available
LEL	No data available	Autoignition	No data available
Self-Accelerating Decomposition Temperature (SADT)	No data available	Heat of Combustion (ΔH_c)	No data available
Burning Time	No data available	Flame Height	No data available
Flame Extension	No data available	Ignition Distance	No data available
Flame Duration	No data available	Flammability (solid, gas)	No data available

Environmental

Half-Life	No data available	Octanol/Water Partition coefficient	< 3 log Kow
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD5	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

Section 10: Stability and Reactivity**Reactivity**

- Normally stable at ambient temperature and pressure.

Chemical stability

- Stable under normal temperature conditions and recommended use.

Possibility of hazardous reactions

- No data available

Conditions to avoid

- contact with strong oxidizing agents. Excess heat.

Incompatible materials

- Strong oxidizing substances. Strong reducing agents.

Hazardous decomposition products

- Carbon dioxide / carbon monoxide.

Section 11 - Toxicological Information**Information on toxicological effects**

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Data lacking
Aspiration Hazard	OSHA HCS 2012 • Data lacking
Carcinogenicity	OSHA HCS 2012 • Data lacking

Germ Cell Mutagenicity	OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Data lacking
Skin sensitization	OSHA HCS 2012 • Data lacking
STOT-RE	OSHA HCS 2012 • Data lacking
STOT-SE	OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	OSHA HCS 2012 • Data lacking
Respiratory sensitization	OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	OSHA HCS 2012 • Data lacking

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - In high concentrations, vapors may irritate throat and respiratory system and cause coughing.
- Chronic (Delayed)**
 - No data available

Skin

- Acute (Immediate)**
 - May cause irritation.
- Chronic (Delayed)**
 - Prolonged contact may cause redness, irritation and dry skin.

Eye

- Acute (Immediate)**
 - May cause irritation.
- Chronic (Delayed)**
 - No data available

Ingestion

- Acute (Immediate)**
 - May cause discomfort if swallowed.
- Chronic (Delayed)**
 - No data available

Other

- Acute (Immediate)**
 - Specific target organ toxicity - single exposure: Not classified as a specific target organ toxicant after a single exposure.
Aspiration hazard: Not relevant, due to the form of the product.

Mutagenic Effects

- Does not contain any substances known to be mutagenic.

Carcinogenic Effects

- Does not contain any substances known to be carcinogenic.

Reproductive Effects

- Does not contain any substances known to be toxic to reproduction.

Section 12 - Ecological Information

Toxicity

- Does not contain any substances known to be mutagenic. Does not contain any substances known to be toxic to reproduction. Does not contain any substances known to be carcinogenic.

Persistence and degradability

- This product does not contain any PBT or vPvB Substances.

Bioaccumulative potential

- The product does not contain any substances expected to be bio-accumulating.
Partition coefficient: $\log P_{ow} < 3$.

Mobility in Soil

- The product is miscible with water. May spread in water systems.

Results of PBT and vPvB assessment

- This product does not contain any PBT or vPvB Substances.

Other adverse effects

- None known.

Section 13 - Disposal Considerations**Waste treatment methods**

- Product waste** ● Dispose of waste and residues in accordance with local authority requirements.
- Packaging waste** ● No data available

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	NDA	NDA	NDA	NDA
TDG	NDA	NDA	NDA	NDA	NDA
IMO/IMDG	NDA	NDA	NDA	NDA	NDA
ADN	NDA	NDA	NDA	NDA	NDA
ADR/RID	NDA	NDA	NDA	NDA	NDA
IATA/ICAO	NDA	NDA	NDA	NDA	NDA

Special precautions for user ● No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code ● Not applicable.

Other information

- Environmentally Hazardous Substance/Marine Pollutant: No.
- DOT** ● Not Classified.
- IMO/IMDG** ● Not Classified.
- IATA/ICAO** ● Not Classified.

Section 15 - Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

- All components are on the US TSCA Inventory.

SARA Hazard Classifications ● SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. SARA 302/304. Not listed.

Inventory				
Component	CAS	Canada DSL	EU EINECS	TSCA
2-Propanol, 1-butoxy-	5131-66-8	Yes	Yes	Yes
Isotridecanol, ethoxylated (> 5-7 EO)	9043-30-5	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• 2-Propanol, 1-butoxy-	5131-66-8	B3, D2B
• Isotridecanol, ethoxylated (> 5 -7 EO)	9043-30-5	Not Listed

Other Information

- TSCA: The ingredients of this product are on the TSCA Inventory. California Proposition 65. PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required. This Product is Not Hazardous under the OSHA Hazard Communication Standard.

Section 16 - Other Information

Last Revision Date	• 14/April/2015
Preparation Date	• 05/March/2015
Disclaimer/Statement of Liability	• No data available