

Version 3.0	Revision Date: 09/06/2018		DS Number: 00000000431	Date of last issue: 08/23/2018 Date of first issue: 05/23/2016		
SECTION	1. IDENTIFICATION					
Prod	uct name	:	MM AUTO/TRK V	VNDSHLD DEICER AERO 12/12OZ		
Prod	uct code	:	DE1 DE1			
	ufacturer or supplier's pany name of supplier			LC		
Addr	Address		Dallas TX 75225			
Emai	Email Address		EHS@niteoproducts.com			
Telep	Telephone		1-844-696-4836			
Eme ber	rgency telephone num-	:	1-800-424-9300 /	1-703-741-5970		
	ommended use of the c	hen: :	nical and restriction	ons on use		
Rest	rictions on use	:	Use only outdoors	s or in a well-ventilated area.		

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Flammable aerosols	:	Category 2
Acute toxicity (Oral)	:	Category 3
Acute toxicity (Inhalation)	:	Category 3
Acute toxicity (Dermal)	:	Category 3
Specific target organ toxicity - single exposure	:	Category 1 (Central nervous system, Eyes)
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Kidney, Liver)
GHS label elements Hazard pictograms	:	



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Signa	l word	: Danger	
Hazard statements		Causes damage May cause dam	sol. ed, in contact with skin or if inhaled. e to organs (Central nervous system, Eyes). age to organs (Kidney, Liver) through prolonge osure if swallowed.
Preca	autionary statements	smoking. Do not spray on Pressurized con Do not breathe of Wash skin thoro Do not eat, drink Use only outdoo Wear protective Response: IF SWALLOWEI Rinse mouth. IF ON SKIN: Wa CENTER/doctor IF INHALED: Re for breathing. Ca IF exposed: Call Take off contam	heat/sparks/open flames/hot surfaces. No an open flame or other ignition source. tainer: Do not pierce or burn, even after use. dust/ fume/ gas/ mist/ vapours/ spray. ughly after handling. or smoke when using this product. rs or in a well-ventilated area. gloves/ protective clothing. D: Immediately call a POISON CENTER/docto ash with plenty of water. Call a POISON if you feel unwell. emove person to fresh air and keep comfortable all a POISON CENTER/doctor. a POISON CENTER or doctor/ physician. inated clothing and wash before reuse.
		Store locked up.	entilated place. Keep container tightly closed. light. Do not expose to temperatures exceedir
		Disposal: Dispose of conte plant.	ents/ container to an approved waste disposal

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

- -

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Methanol	67-56-1	>= 50 - < 70
Ethylene Glycol	107-21-1	>= 5 - < 10
Carbon dioxide	124-38-9	>= 1 - < 5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.



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SECTION	4. FIRST AID MEASU	RES					
Gene	ral advice	:	 Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. 				
lf inha	aled	:	advice.	place in recovery position and seek medical rsist, call a physician.			
In cas	se of skin contact	:	Call a physiciar	n or poison control centre immediately.			
In cas	se of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.				
lf swa	llowed	:	Rinse mouth wi Do not give mil Never give any	ention immediately. ith water. k or alcoholic beverages. thing by mouth to an unconscious person. rsist, call a physician.			
	important symptoms ffects, both acute and ed		Causes damag May cause dam exposure if swa This product co and central ner lized to formic a cause metaboli Since metabolis onset may be d Ethanol compe been used to p istration is indic anol concentrat removed by hel Effects of acute fairly distinct sta exposure, lasts nervous system ing, and in seve death). The se sure and is initi characterized b cyanosis, and i pneumonia, can final stage occu	hage to organs through prolonged or repeated allowed. Intains methanol which can cause intoxication vous system depression. Methanol is metabo- acid and formaldehyde. These metabolites can c acidosis, visual disturbances and blindness. Is is required for these toxic symptoms, their lelayed from 6 to 30 hours following ingestion. tes for the same metabolic pathway and has revent methanol metabolism. Ethanol admin- tated in symptomatic patients or at blood meth- tions above 20 ug/dl. Methanol is effectively			



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			n most cases. The most significant laboratory ne glycol intoxication is severe metabolic aci-
Notes	to physician	metabolism of e should be admi vere poisoning is 3 hours. If m the patient three higher whiskey Fomepizole (4-r alcohol dehydro antidote in the t	ntains ethylene glycol. Ethanol decreases the ethylene glycol to toxic metabolites. Ethanol nistered as soon as possible in cases of se- since the elimination half-life of ethylene glycol edical care will be delayed several hours, give to four 1-ounce oral "shots" of 86-proof or before or during transport to the hospital. methylpyrazole) is an effective antagonist of ogenase, and as such, may be used as an reatment of ethylene glycol poisoning. Hemo- ely removes ethylene glycol and its metabolites

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Carbon dioxide (CO2) Dry chemical Alcohol-resistant foam
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion prod- ucts	:	Carbon oxides
Specific extinguishing meth- ods	:	Product is compatible with standard fire-fighting agents.
Further information	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

:	Use personal protective equipment.
	Remove all sources of ignition.
	Ensure adequate ventilation.
	Avoid breathing dust.
	Beware of vapours accumulating to form explosive concentra-
	tions. Vapours can accumulate in low areas.
	:



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Environmental precautions		:	 Evacuate personnel to safe areas. Persons not wearing protective equipment should be of from area of spill until clean-up has been completed. Comply with all applicable local, state and federal regulations. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. 				
				surface water or sanitary sewer system. taminates rivers and lakes or drains inform ities.			
	thods and materials for ntainment and cleaning up	:	sorbent material, miculite) and plac	and then collect with non-combustible ab- (e.g. sand, earth, diatomaceous earth, ver- e in container for disposal according to local ons (see section 13).			

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition. Use only explosion-proof equipment. Do not spray on a naked flame or any incandescent material.
Advice on safe handling	:	Open drum carefully as content may be under pressure. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Take precautionary measures against static discharges. Dispose of rinse water in accordance with local and national regulations. Container hazardous when empty. Smoking, eating and drinking should be prohibited in the ap- plication area. For personal protection see section 8.
Conditions for safe storage	:	BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. No smoking.
Further information on stor- age stability	:	No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters



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Com	ponents	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis	
Meth	anol	67-56-1	TŴA	200 ppm	ACGIH	
			STEL	250 ppm	ACGIH	
			TWA	200 ppm 260 mg/m3	NIOSH REL	
			ST	250 ppm 325 mg/m3	NIOSH REL	
			TWA	200 ppm 260 mg/m3	OSHA Z-1	
			STEL	250 ppm 325 mg/m3	OSHA P0	
			TWA	200 ppm 260 mg/m3	OSHA P0	
Ethyl	ene Glycol	107-21-1	C (Aerosol only)	100 mg/m3	ACGIH	
			С	50 ppm 125 mg/m3	OSHA P0	
Carb	on dioxide	124-38-9	TWA	5,000 ppm	ACGIH	
			STEL	30,000 ppm	ACGIH	
			TWA	5,000 ppm 9,000 mg/m3	NIOSH REL	
			ST	30,000 ppm 54,000 mg/m3	NIOSH REL	
			TWA	5,000 ppm 9,000 mg/m3	OSHA Z-1	
			TWA	10,000 ppm 18,000 mg/m3	OSHA P0	
			STEL	30,000 ppm 54,000 mg/m3	OSHA P0	

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam- pling time	Permissible concentra- tion	Basis
Methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

Engineering measures

: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection	:	Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
		Use NIOSH approved respiratory protection.



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Hand	protection			
Re	emarks	:	er). The suitability cussed with the p	oves (consult your safety equipment suppli- over a specific workplace should be dis- roducers of the protective gloves. Discard tears, pinholes, or signs of wear.
Eye p	protection	:		er normal conditions of use. Wear splash- les if material could be misted or splashed
Skin :	and body protection	:	centration of the o Wear as appropri Impervious clothin Flame-resistant c Safety shoes	ng
Hygie	ene measures	:	practice. Avoid contact with	ance with good industrial hygiene and safety n skin, eyes and clothing. are breaks and immediately after handling

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	aerosol
Odour	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	64.7 °C (1,013 hPa) Value for Component
Flash point	:	
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	36 %(V) The value is calculated
Lower explosion limit / Lower flammability limit	:	3.2 %(V) The value is calculated



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Vap	oour pressure	: 169.3164 hF Value for Co	
Dei	nsity	: 0.7972 g/cm	3 (15.56 °C)
Par	ubility(ies) Water solubility tition coefficient: n-	: No data ava : No data ava	
	anol/water		
	cosity Viscosity, dynamic	: No data ava	ilable
	Viscosity, kinematic	: No data ava	ilable
Oxi	dizing properties	: No data ava	ilable
Hea	at of combustion	: estimated 18	5.35 kJ/g
VO	C % By Weight	: 68 %	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	Vapours may form explosive mixture with air. No decomposition if stored and applied as directed.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Aldehydes Alkali metals Alkaline earth metals Aluminium Lead Strong acids Strong bases Strong oxidizing agents Sulphur compounds Zinc Peroxides
Hazardous decomposition products	:	Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Inhalation Eye contact



Skin contact Ingestion Acute toxicity Toxic if swallowed, in contact with skin or if inhaled. Product: Acute oral toxicity : Acute toxicity estimate: 159,14 mg/kg Method: Calculation method Acute inhalation toxicity : Acute toxicity estimate: 0.8 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Acute dermal toxicity : Acute toxicity estimate: 479,17 mg/kg Method: Calculation method Acute oral toxicity : LDL0 (Humans): 300 mg/kg Assessment: The component/mixture is toxic after single in- gestion. Acute oral toxicity : LDL0 (Humans): 300 mg/kg Assessment: The component/mixture is toxic after short term inhalation. Acute oral toxicity : LDL0 (Rabbit): 12,800 mg/kg Assessment: The component/mixture is toxic after single con tact with skin. Ethylene Glycol: : Acute oral toxicity : LD50 (Rabbit): 12,800 mg/kg Assessment: The component/mixture is moderately toxic after single ingestion. Acute oral toxicity : LD50 (Rabbit): 6,140 mg/kg Assessment: The component/mixture is moderately toxic after single ingestion. Acute inhalation toxicity : LC50 (Ra1): 10.9 mg/l Exposure time: 1 h Test atmosphere: dust/mist Assessment: No adverse effect has been observed in acute inhalation toxicity tests. Acute dermal toxicity : LD50 (Rabbit): 9,530 mg/kg Skin corrosion/irritation : LD50 (Rabbit): 9,	rsion	Revision Date: 09/06/2018		OS Number: 0000000431	Date of last issue: 08/23/2018 Date of first issue: 05/23/2016
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Not classified based on available information.	Acute	dermal toxicity	:	LD50 (Rabbit): 9,	530 mg/kg
				1. 1	
	Not cla	assified based on avail	able	information.	

Methanol:



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Species: Rabbit Result: No skin irritation

Ethylene Glycol:

Result: Mild skin irritation

Carbon dioxide:

Assessment: No skin irritation Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Components:

Methanol: Species: Rabbit Result: Possibly irritating to eyes

Ethylene Glycol:

Result: Possibly irritating to eyes

Carbon dioxide:

Result: No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Methanol:

Test Type: Maximisation Test Species: Guinea pig Assessment: Does not cause skin sensitisation. Method: OECD Test Guideline 406

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information. IARC No component of this product present at levels greater than or



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		equal to 0.1% is ide human carcinogen	entified as probable, possible or confirmed by IARC.	
OSHA	λ.	•	is product present at levels greater than or OSHA's list of regulated carcinogens.	
NTP	equa		No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Causes damage to organs (Central nervous system, Eyes).

Components:

Methanol:

Target Organs: Central nervous system, Eyes Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

STOT - repeated exposure

May cause damage to organs (Kidney, Liver) through prolonged or repeated exposure if swallowed.

Components:

Ethylene Glycol:

Exposure routes: Ingestion Target Organs: Kidney, Liver Assessment: May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	: Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	: Empty remaining contents.



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Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

Dangerous goods descriptions (if indicated below) may not reflect quantity, end-use, or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

International Regulations

IATA-DGR

Not permitted for transport

IMDG-Code UN number Proper shipping name	-	UN 1950 Aerosols
Class Subsidiary risk Packing group Labels EmS Code Marine pollutant	:	2.1 6.1 Not assigned by regulation 2.1 (6.1) F-D, S-U no

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

Not applicable for product as supplied.

National Regulations

49 CFR UN/ID/NA number Proper shipping name	:	UN 1950 Aerosols
Class Packing group Labels ERG Code Marine pollutant	:	2.1 Not assigned by regulation 2.1 126 no

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Ethylene Glycol	107-21-1	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

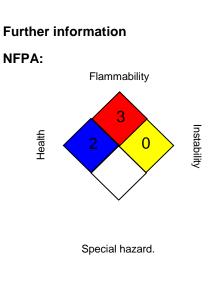


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SARA 302 Extremely Hazardous Substances Threshold Planning Quantity This material does not contain any components with a section 302 EHS TPQ.							
SARA	311/312 Hazards	:	Flammable (gase Acute toxicity (an Specific target or	y route o	f exposure)	,	e)
SARA	313	:	The following components are subject to reporting levels es- tablished by SARA Title III, Section 313:			es-	
			Methanol		67-56-1	>= 50 - < 7	0 %
			Ethylene Glycol		107-21-1	>= 5 - < 10	0 %

California Prop. 65

WARNING: This product can expose you to chemicals including Methanol, Ethylene Glycol, Ethylene glycol monomethyl ether, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION



Revision Date :

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.

09/06/2018



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