Safety Data Sheet

According to EC Regulation 1907/2006/EC - revision 453/2010 (REACH)

Print Date 01/03/2016 **Creation Date** 02/25/2015 **Revision date** 02/25/2015

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product Name	PLATINUM OXY CHARGED AEROSOL
Product Code	11609

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

Recommended use

Pet Care. Spot and stain remover.

1.3. Details of the supplier of the safety data sheet

Manna Pro
Suite 2 Barnack House
Southgate way
Orton Southgate
Peterborough PE2 6GP
Tel: +44 (0) 1733 404390

E-mail address	admin@mannaprouk.com
Website address	www.mannaprouk.com

1.4. Emergency telephone number

+44 (0) 1733 404390 (available during Office hours)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Aerosols: Category 3
H229 - Pressurized container: May burst if heated

Classification according to EU Directive 67/548EEC - 1999/45 EC

This mixture is not classified according to EU Directive 1999/45/EC

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Signal Word Warning

Hazard Statements

H229 - Pressurized container: May burst if heated

Precautionary Statements

P271 - Use only outdoors or in a well-ventilated area
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P251 - Do not pierce or burn, even after use
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P260 - Do not breathe mist / spray
7.2% by mass of the contents are flammable.
Keep out of reach of children.

2.3. Other hazards

No additional hazards identified.
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2. Mixture

Component	CAS No.	EC No.	EU - REACH Reg Number	Weight % *	Classification	EU - GHS/CLP	Notes
PETROLEUM GASES, LIQUIFIED, SWEETENED	68476-86-8	270-705-8	.	5 - < 10	F+; R12	Flam. Gas 1 (H220) Press. Gas	K
MONOPROPYLENE GLYCOL METHYL ETHER	107-98-2	203-539-1	01-2119457435-35	1 - < 3	R10 R67	STOT SE 3 (H336) Flam. Liq. 3 (H226)	

For any H statements and R phrases mentioned in this section, see the full text in section 16.

EU Notes

Note K - The classification as a carcinogen or mutagen does not apply as the substance contains less than 0.1% w/w 1,3-butadiene

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

If symptoms persist, call a physician. Avoid breathing vapors or mists.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician immediately.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth with water. If swallowed, do not induce vomiting - seek medical advice.

Inhalation

Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. If exposed to high concentrations of the aerosol vapours, move to fresh air. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Sensitization

No information available.

Eye contact

May cause irritation as itching and redness.

Skin contact

Unlikely to be irritant on brief or occasional exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use:. Dry powder. Alcohol-resistant foam. Water spray. Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons

Water jet.

5.2. Special hazards arising from the substance or mixture

When exposed to high temperatures, the mixture may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

Pressurized container. Keep product and empty container away from heat and sources of ignition.

5.3. Advice for firefighters
Firefighters should wear a self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes, and clothing. Prevent further leakage or spillage if safe to do so. Ventilate the area. Refer to protective measures listed in sections 7 and 8. Evacuate personnel to safe areas. Due to the nature of the aerosol packaging, a large spill is unlikely. For a small spill, wear appropriate protective clothing, ventilate the area, absorb with an inert material and transfer all material into a properly labeled container for disposal. Use care as spills may be slippery.

6.2. Environmental precautions
Prevent further leakage or spillage if safe to do so. Insoluble in water and hence will float on the surface. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up
Methods for Containment
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning up
For the non volatile residues:. Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Keep away from open flames, hot surfaces and sources of ignition. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities
Store in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

7.3. Specific end use(s)
No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits
For substances.

Component	European Union	The United Kingdom	France	Germany	Austria
MONOPROPYLENE GLYCOL METHYL ETHER		STEL: 150 ppm STEL: 560 mg/m^3 TWA: 100 ppm TWA: 375 mg/m^3 Skin	TWA: 50 ppm TWA: 188 mg/m^3 STEL: 100 ppm STEL: 375 mg/m^3 Skin	AGW: 100ppm AGW: 370mg/m^3 Peak: 200ppm Peak: 740mg/m^3 TWA: 100ppm TWA: 370mg/m^3 BGW: 15mg/L	Skin STEL: 50 ppm STEL: 187 mg/m^3 TWA: 50 ppm TWA: 187 mg/m^3 Ceiling: 50 ppm Ceiling: 187 mg/m^3

Component	Spain	Portugal	Italy	The Netherlands	Switzerland

MONOPROPYLENE GLYCOL METHYL ETHER	Skin STEL: 150 ppm STEL: 568 mg/m^3 TVA: 100 ppm TWA: 375 mg/m^3	TWA: 100 ppm TWA: 375 mg/m^3 STEL: 150 ppm STEL: 568 mg/m^3 Skin	TWA: 100 ppm TWA: 375 mg/m^3 STEL: 150 ppm STEL: 568 mg/m^3 Skin	Skin STEL: 563 mg/m^3 TWA: 375 mg/m^3	STEL: 200 ppm STEL: 720 mg/m^3 TWA: 100 ppm TWA: 360 mg/m^3

Component	Denmark	Finland	Norway	Sweden	Czech
MONOPROPYLENE GLYCOL METHYL ETHER	TWA: 50 ppm TWA: 185 mg/m^3 Skin	TWA: 100 ppm TWA: 370 mg/m^3 STEL: 150 ppm STEL: 560 mg/m^3 Skin	TWA: 50 ppm TWA: 180 mg/m^3 Skin	50 ppm 190 mg/m^3 75 ppm 300 mg/m^3	PEL: 270mg/m^3 NPK-P: 550mg/m^3

Component	Poland	Ireland
MONOPROPYLENE GLYCOL METHYL ETHER	NDSCh: 360 mg/m^3 NDS: 180 mg/m^3	TWA: 100 ppm TWA: 375 mg/m^3 STEL: 150 ppm STEL: 568 mg/m^3

8.2. Exposure controls

Engineering Measures

General ventilation is normally adequate.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 141 eg AX P2/P3 filters.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Nitrile rubber (0.4 mm). PVC (0.7mm). Neoprene gloves (0.4mm). Minimum breakthrough time of the glove material (protective index 4, breakthrough time: >120 min). Suitability and durability of a glove is dependent upon usage factors such as frequency, duration of use, temperature and chemical resistance. The use of a chemical-protective glove may in practice be much shorter than the permeation time determined through testing. For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	Off-white	**Specific Gravity**	1.01
Physical state	liquid	**Solubility**	Soluble in water
Odor	None	**Autoignition Temperature**	No information available.
pH	10.5	**Viscosity**	Non viscous
Melting Point/Range	No information available.	**Explosive properties**	No information available
Boiling Point/Range	100 °C	**Oxidizing Properties**	No information available
Flash Point	No information available.	**VOC Content (%)**	7.9 %
Evaporation Rate	No information available		
Flammability Limits in Air %:	No information available		
Vapor Pressure	No information available		
Vapor Density	No information available		

9.2. Other information

No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity
Not considered as highly reactive. See further information below.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.
10.4. Conditions to avoid
Keep away from open flames, hot surfaces, and sources of ignition. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.
10.5. Incompatible materials
Incompatible with strong acids and bases. Strong oxidizing agents. Reducing agents.
10.6. Hazardous decomposition products
None under normal storage conditions and use.
When exposed to high temperatures, the mixture may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Product Information
The product itself has not been tested.

Component Information

Component	Oral LD50	Dermal LD50	Inhalation LC50
MONOPROPYLENE GLYCOL METHYL ETHER	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 6 mg/L (Rat) 4 h

Sensitization
No information available.
Skin contact
Unlikely to be irritant on brief or occasional exposure.
Eye contact
May cause irritation as itching and redness.
Carcinogenicity
There are no known carcinogenic substances in this product.
Mutagenic Effects
There are no known mutagenic substances in this product.
Reproductive Effects
There are no known substances in this product with effects on reproduction.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity
Product Information
The product itself has not been tested.
Component Information

Component	Toxicity to Fish	Crustacea	Toxicity to Algae
MONOPROPYLENE GLYCOL METHYL ETHER	LC50 = 20.8 g/L Pimephales promelas 96 h	23300: 48 h Daphnia magna mg/L EC50	

12.2. Persistence and degradability
Mainly an inorganic product which can not be eliminated from water through biological processes.
12.3. Bioaccumulative potential
Not likely to bioaccumulate.

Component	log Pow
PETROLEUM GASES, LIQUIFIED, SWEETENED	2.8

MONOPROPYLENE GLYCOL METHYL ETHER	-0.437

12.4. Mobility in soil
Soluble in water.
12.5. Results of PBT and vPvB assessment
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.
12.6. Other adverse effects
No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste from Residues / Unused Products
Dispose of in accordance with local regulations.
Contaminated Packaging
Empty containers should be taken for local recycling, recovery or waste disposal. Recycle according to official regulations. Do not expose to heat, flames, sparks or other sources of ignition. Do not pierce or burn, even after use.
EWC waste disposal No
The following EWC/ AVV waste codes may be applicable:
16 05 04* gases in pressure containers (including halons) containing dangerous substances
07 06 01* aqueous washing liquids and mother liquors
Other Information
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.
IMDG/IMO

UN-No	UN1950
Proper Shipping Name	Aerosols, asphyxiant
Hazard Class	2.2
EmS No.	F-D, S-U

ADR / RID

UN-No	UN1950
Hazard Class	2.2
Classification Code	5A
Limited Quantity	1 L
Transport Cat. (Tunnel Restriction Code)	3 (E)

IATA/ICAO

UN-No	UN1950
Hazard Class	2.2
ERG-Code	2L

14.5. Environmental hazards
The mixture is not environmentally hazardous for transport.
14.6. Special precautions for user
No special precautions.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Packaged product, not typically transported in IBC's.
Additional information
Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.
This mixture is not classed as hazardous by Directive 1999/45/EC. In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account. This is a detergent product and complies with the Detergent Regulation (EC) No.648/2004.
Other regulatory information
Classified in accordance with Aerosol Directives 2008/47/EC & 2013/10/EC.
Detergent labelling for contents (REGULATION (EC) No 648/2004 - 907/2006):
< 5% EDTA and salts thereof, < 5% phosphates,
Allergenic fragrances (Directive 76/768/EEC & 2003/15/EC)
Benzyl Benzoate

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION

Text of H statements mentioned in Section 3
H220 - Extremely flammable gas. H226 - Flammable liquid and vapor. H336 - May cause drowsiness or dizziness.
Text of R phrases mentioned in Section 3
R10 - Flammable. R12 - Extremely flammable. R67 - Vapours may cause drowsiness and dizziness.
Prepared By Austen Pimm
Creation Date 02/25/2015
Revision date 02/25/2015
Revision Summary
CLP update.

Abbreviations
REACH: Registration Evaluation Authorisation Restriction of Chemicals
EU: European Union
EC: European community
EEC: European Economic Community
UN: United Nations
CAS: Chemical Abstracts Service
PBT: Persistent Bioaccumulative Toxic
vPvB: very Persistent very Bioaccumulative
LC50: Lethal concentration, 50 percent
LD50 : Lethal dose, 50 percent
EC50: Effective concentration, 50 percent
LogPow: LogP octanol/water
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)
WGK: Wassergefahrdungsklasse (Water Hazard Class - Germany).
AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)
ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
RID: Reglement international concernant le transport des merchandises dangereuses par chemin der fer (Regulations concerning the International carriage of Dangerous goods by rail)
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
ERG: Emergency Response Guidebook
IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances
GHS: Globally Harmonised System of classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
VOC: Volatile Organic Chemical
w/w: weight for weight
DMSO: Dimethyl sulphoxide
OECD: Organization for Economic Cooperation and Development
STEL: Short Term Exposure Limit
TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet