

SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION

1.1. Product identification

CLEAR COAT GLOSS SPRAY

UFI: HHT0-80XS-100A-9KTP *

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

No further relevant data available.*

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category*: PC9a Coatings and paints, thinners, paint removers

Process category*:

PROC7 Industrial spraying

PROC11 Non industrial spraying

Use of the substance/mixture*: Paint

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.

Ul. Łódzka 3

42-240 Rudniki k. Częstochowy, PL

Tel.: +48 34 329 45 03

Fax: +48 34 320 12 16

Registration number 000029202

Person responsible for the safety data sheet: ranal@ranal.pl

1.4. Emergency telephone

+48 34 329 45 03 (8.00 - 15.00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

EC Regulation 1272/2008(CLP):

The classification of this product has been carried out in accordance with Regulation No. 1272/2008 (CLP).



GHS02 flame*

Aerosol 1: H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.*



GHS05 corrosive effect*

Eye Dam. 1: H318 Causes serious eye damage.*



GHS07 *

Skin Irrit. 2: H315 Causes skin irritation.*

STOT SE 3: H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.*

Aquatic Chronic 3: H412 Harmful to aquatic life with long-lasting effects.*

2.2. Label elements*

Labelling according to the regulation (EC) no 1272/2008 (CLP): The product has been classified and labelled according to CLP regulation.

Hazard pictograms:



Signal word: **DANGER**

Hazard statements:

H222-H229: Extremely flammable aerosol. Pressurized container: May burst if heated.

H315: Causes skin irritation.*

H318: Causes serious eye damage.*

H335-H336: May cause respiratory irritation. May cause drowsiness or dizziness.*

H412: Harmful to aquatic life with long-lasting effects.*

Precautionary statements*:

P101: If medical advice is needed, have product container or label at hand.*

P102: Keep out of reach of children.*

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P210: Keep away from heat sources, hot surfaces, sources of sparks, open flames and other ignition sources. No smoking.

P211: Do not spray on an open flame or other ignition source.

P251: Do not pierce or burn, even after use.

P260: Do not breathe spray.*

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501: Dispose of the contents/container to containers in accordance with the regulations on hazardous waste or containers and waste in containers, respectively.

Components indicating hazard for labelling*:

Butan-1-ol

Hydrocarbons, C9, aromatics

Xylene

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Additional information*:

Formation of explosive mixtures is possible in case of insufficient ventilation.

2.3. Other hazards

Results of PBT/ vPvB assessment*:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Description: A mixture of the following components with safe additions.*

Hazardous components:

Dimethyl ether	CAS: 115-10-6 EINECS: 204-065-8 Index no: 603-019-00-8 Reg. no: 01-2119472128-37	Flam. Gas 1A, H220; Press. Gas (Comp.), H280.	50 - <75% *
Hydrocarbons, C9, aromatics*	EC number: 918-668-5 Reg. no: 01-2119455851-35	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336; EUH066	10 - <12,5 %
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane *	EC number: 921-024-6 Reg. no: 01-2119475514-35	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	5 - <10 %
Xylene*	EC number: 905-588-0 Reg. no: 01-2119488216-32-xxxx	Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2 H315; Eye Irrit. 2, H319; STOT SE 3, H335	5 - <10 %
Butan-1-ol	CAS: 71-36-3 EINECS: 200-751-6 Index no: 603-004-00-6 Reg. no: 01-2119484630-38	Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	5 - <10% *
Ethylbenzene*	CAS: 100-41-4 EINECS: 202-849-4 Index no: 601-023-00-4 Reg. no: 01-2119489370-35	Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332; Aquatic Chronic 3, H412	<2.5 %

More information on hazards and H-phrases provided in sections 16 of the MSDS.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures*

After inhalation: In case of loss of consciousness place and transport in stable recovery position.*

After contact with skin: Immediately wash with water and soap and rinse thoroughly.*

After contact with eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. / Rinse opened eyes for several minutes under running water and seek medical advice.*

After swallowing: Drink plenty of water and get out into the fresh air. Immediately call a doctor.*

4.2. Most important symptoms both acute and delayed

No further relevant data available.*

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

No data.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: Fire extinguishing procedures should be adapted to the surroundings.*

5.2. Special hazards arising from the substance or mixture

Formation of poisonous gases when heated or in case of fire.*

5.3. Advice for fire fighters

Special protective equipment: Wear respiratory protection.*

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures

Wear respiratory protection. Wear protective clothing. Move unprotected persons to a safe place. Keep ignition sources at a safe distance.*

6.2. Environmental precautions

In the event of leakage into water course or sewage system inform competent authorities. Do not allow entering sewage system /surface water /ground water.*

6.3. Methods and materials for containment and cleaning up

Use a neutralizing agent. Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation.*

6.4. Reference to other sections

See also sections 7*, 8 and 13 of the MSDS.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace.*

Information about fire and explosion protection*:

Do not spray towards flames or over glowing material. Keep ignition sources away - do not smoke. Keep respiratory protective equipment at hand.

7.2. Conditions for safe storage, including any incompatibilities

Storage (Requirements to be met by storerooms and receptacles)*:

Observe regulations concerning the storage of pressurized gas tanks.

Information about common storage: Not necessary.*

Further information about storage conditions: Keep containers tightly sealed.*

Storage class*: 2 B

7.3. Special end use (s)

No further relevant data available.*

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES

8.1. Control parameters

Occupational exposure limit values should be controlled for the following substances:

CAS NUMBER	SUBSTANCE	MPC (mg/m ³)	MPIC (mg/m ³)	
115-10-6	Dimethyl ether	1000	---	
---	xylene*	100	200	skin
71-36-3	Butane-1-ol	50	150	skin
100-41-4	Ethylbenzene *	200	400	skin

Additional information*: The lists valid during the making were used as basis.

8.2. Exposure control*

A. General measures of safety and hygiene at the workplace.

Technical control measures: No further data, see section 7.

Individual protection measures such as personal protective equipment (General protective and hygienic measures):

Keep away from foodstuffs, beverages and feed. Immediately take off all soaked and contaminated clothing. Wash hands before each break and at the end of work. Do not breathe gases/ vapours / spray. Avoid contact with skin. Avoid contact with eyes and skin. Avoid contact with eyes.*

B. Respiratory protection.

Pictograms:



Filter A2/P2. *

In case of brief exposure or low pollution use respiratory filter device; in case of intensive or prolonged exposure, use a respiratory protective device independent of the ambient air.*

C. Special hands protection.

Pictograms:



Protective gloves.*

Material of gloves*:

Butyl rubber.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of the glove material *:

Butyl rubber gloves 0.4 mm thick, resistant to:

Acetone: 480 min.

Butyl acetate: 60 min.

Ethyl acetate: 170 min.

Xylene: 42 min.

0.4 mm thick butyl rubber gloves are resistant to solvents for 42-480 minutes. For safety reasons, we recommend that users and persons responsible for safety assume a solvent resistance time of 42 minutes. Taking into account the data contained in section 3 of this MSDS, a longer resistance time can be assumed in special cases.

D. Eye or face protection.

Obligatory face protection.

Pictograms:



Tightly sealed protective glasses.*

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties*

Physical state 20°C:	Aerosol
Appearance:	Volatile:
Colour:	clear*
Odour:	Solvent
Odour threshold:	not specified*
Melting/freezing point:	not specified*
Boiling point or initial boiling point and boiling range*:	Not specified
Flammability of materials:	not applicable*
Bottom Explosion limit*:	0.7 Vol % (Hydrocarbons, C9, aromatics)
Top explosion limit*:	26.2 Vol % (115-10-6 dimethyl ether)
Flash point:	not applicable for aerosols*
Combustion temperature*:	> 200°C (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Breakdown point	no data
pH	no data
Dynamic viscosity 20°C:	no data
Kinematic viscosity 20°C:	no data
Kinematic viscosity 40°C:	no data
Solubility in water	Not miscible or difficult to mix.*
N-octanol/water partition coefficient 20°C:	no data
Vapour pressure at 20 °C:	4000 hPa*
Density 20°C:	0.8 g/cm ³ *
Relative density*:	no data
Vapour density*:	no data

9.2 Other information

Important information on health and environment protection and safety*:

Explosive properties: Not specified.

Solvent content: Organic solvents*: 88.1 %

VOC (EC):
661.9 g/l

VOC-EU%
88.14%

Solids content:
11.7%.

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Change of state: Evaporation rate: not applicable*

Information with regard to physical hazard classes*:

Explosives:	none
Flammable gases:	none
Aerosols:	Extremely flammable aerosol. Pressurized container: May burst if heated.
Oxidizing gases:	none
Gases under pressure:	Void
Flammable liquids:	none
Flammable solids:	Void
Self-reactive substances and mixtures:	none
Pyrophoric liquids:	none
Pyrophoric solids:	none
Self-heating substances and mixtures:	none
Substances and mixtures which emit flammable gases in contact with water:	none
Oxidizing liquids:	none
Oxidizing solids:	none
Organic peroxides:	none
Substances corrosive to metals:	none
Desensitised explosives:	none

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant data available.*

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used as intended.*

10.3 Possibility of hazardous reactions

Hazardous reactions unknown.*

10.4 Conditions to be avoided

No further relevant data available.*

10.5 Incompatible materials

No further relevant data available.*

10.6 Hazardous decomposition products

Hazardous decomposition products unknown.*

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on the hazard classes defined in Regulation (EC) No 1272/2008*

Acute toxicity: Based on available data the classification criteria are not met.*

Relevant classified LD/LC50 values*:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	LD50	> 5840 mg/kg (rat)
Dermal	LD50	> 2920 mg/kg (rat)
Inhalation	LC50/ 4h	> 25.2 mg/l (rat)

Xylene

Oral	LD50	3523 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalation	LC50/4h	29000 mg/m ³ (rat)

71-36-3 butan-1- ol

Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rabbit)
Inhalation	LC50/4h	17000 mg/m ³ (rat)

100-41-4 Ethylbenzene

Oral	LD50	3500 mg/kg (rat)
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Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

Allergic effect on airways or skin: Based on available data, the classification criteria are not met. No allergic effects known.

Mutagenic effect on germ cells: Based on available data, the classification criteria are not met.

Carcinogenic effect: Based on available data, the classification criteria are not met.

Harmful effect on reproduction: Based on available data, the classification criteria are not met.

Specific target organ toxicity – single exposure: May cause respiratory irritation. May cause drowsiness or dizziness.

Specific target organ toxicity – repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on other hazards*

Endocrine disrupting properties: None of the components is listed.

SECTION 12: ECOLOGICAL INFORMATION

There are no experimental data on the ecotoxicological properties of the mixture itself.

12.1. Toxicity

Aquatic toxicity*:

115-10-6 dimethyl ether

EC50 / 96 h	155 mg/l	(algae)
LC50 / 48 h	> 4000 mg/l	(daphnia magna)
LC50 / 96 h	> 4000 mg/l	(fish)

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

EC50 / 48 h	3 mg/l	(daphnia magna)
EC50 / 72 h	30-100 mg/l	(algae)
LC50 / 96 h	11.4 mg/l	(fish)

Xylene

EC50 / 48 h	7.4 mg/l	(daphnia magna)
LC50 / 96 h	13.5 mg/l	(fish)

71-36-3 butan-1-ol

LC50 / 96 h	1376 mg/l	(fish)
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12.2 Persistence and degradability

No further relevant data available.*

12.3 Bioaccumulative potential

No further relevant data available.*

12.4 Mobility in soil

No further relevant data available.*

12.5 Results of PBT and vPvB assessment

PBT: not applicable.*

vPvB: not applicable.*

12.6 Endocrine disrupting properties*

The product does not contain substances with endocrine disrupting properties.*

12.7 Other hazardous effects*

Warning: Hazardous for fish.

Further ecological information - general information*:

Water hazard class 2 (Self-assessment): hazardous to water.

Do not allow the product to reach ground water, surface water or sewage system.

Must not get undiluted or unneutralized into drains or sewers.

Dangerous to drinking water if even small quantities leak into the ground.

Poisonous to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Prevent from reaching sewage system.*

Contaminated packaging: Dispose of according to applicable regulations.*

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR, IMDG, IATA:

UN1950

14.2. UN proper shipping name

ADR: 1950 AEROSOLS *

IMDG: AEROSOLS *

IATA AEROSOLS, flammable *

14.3 Transport hazard class (-es)

ADR:



Class: 2.5F Gases*

Labels: 2.1 *

IMDG, IATA:



Class: 2.1 Gases*
Label: 2.1 *

14.4 Packaging group

None. *

14.5 Environmental hazards

No.

14.6. Special precautions for users

Warning: gases

Hazard identification number (Kemler code): -

EMS Number:

F-D,S-U

Stowage Code

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:

Segregation as for the appropriate subdivision of class 2.

14.7. Sea transport in bulk in accordance with IMO instruments*

not applicable*

Transport/ further information*:

ADR:

Limited Quantities (LQ)

1L

Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

Code: E0

Not permitted as Excepted Quantity

Transport category 2

Tunnel restriction code

D

IMDG

Limited quantities (LQ)

1L

Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

Code: E0

Not permitted as Excepted Quantity

UN "Model Regulation"

UN 1950 AEROSOLS, 2.1

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislations specific for the substance or mixture

National and Community regulations*:

- Government Statement of February 16, 2009 on the entry into force of amendments to Annexes A and B to the European Agreement on the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957.[Journal of Laws of 2009, no 27, item 162].
- Regulation (EC) No. 1907/2006 of 18 December 2006. concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, amended
- Regulation of the European Parliament and of the Council (EC) No. 1272/2008 of 16 December 2008. on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation 1907/2006.
- Commission Regulation (EC) No. 453/2010 of 20 May 2010. amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Authorization and Restriction of Chemicals (REACH)

Directive 2012/18/EU*

Indicated dangerous components- ANNEX I None of the components are listed.

Seveso category: P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements: 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t

Regulation (EC) no 1907/2006 ANNEX XVII: Restriction conditions: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II*:

None of the components is listed.

Regulation (EC) No 273/2004 on drug precursors*:

67-64-1 Acetone 3

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors*:

67-64-1 Acetone

National regulations*:

Other Laws, Restrictions and Prohibitive Laws.

Substances of very high concern (SVHC) according to REACH, Art. 57*:

None of the ingredients is listed.

15.2 Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

Provisions regarding the Safety Data Sheets:

This safety data sheet was prepared in accordance with ANNEX II of the Guide for persons preparing Safety Data Sheets - to Regulation (EC) No. 1907/2006 (Regulation (EU) No. 2015/830).

Relative phrases*:

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long-lasting effects.
H412 Harmful to aquatic life with long-lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Abbreviations used in the text*:

Supp. Class.: Supplier classification
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable Gases - Category 1A
Aerosol 1: Aerosols - Category 1
Press. Gas (Comp.): Gases under pressure - Compressed gas
Flam. Liq. 2: Flammable liquids - Category 2
Flam. Liq. 3: Flammable liquids - Category 3
Acute Tox. 4: Acute toxicity - Category 4
Skin Irrit. 2: Skin corrosion/irritation - Category 2
Eye Dam. 1: Serious eye damage/eye irritation - Category 1
Eye Irrit. 2: Serious eye damage/eye irritation - Category 2
STOT SE 3: Specific target organ toxicity (single exposure) - Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2
Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term hazard to the aquatic environment – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term hazard to the aquatic environment – Category 3

Main sources of literature:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

The information contained in this Safety Data Sheet is based on sources and technical knowledge and applicable law at European and national level, and its accuracy cannot be fully guaranteed. This information cannot be treated as a guarantee of the properties of the product, as it is only about the description of safety requirements. The working methods and conditions of users of this product are beyond our knowledge and control, and it is the user's responsibility to take appropriate measures to comply with legal requirements regarding the handling, storage, use and disposal of chemical products. The information contained in this Material Safety Data Sheet relates only to the given product, which must not be used for purposes other than those specified therein.

Other data sources:

ECHA European Chemicals Agency
TOXNET Toxicology Data Network

Changes in the Sheet compared to the previous version:

Update of sections:

11: rewording of sub-section 11.1: Information on the hazard classes defined in Regulation (EC) No 1272/2008

12: new subsection 12.6: Endocrine disrupting properties.

14: rewording of sub-section 14.7: Sea transport in bulk in accordance with IMO instruments.

Changes in the content of sections:

1.1, 1.2, 2.1, 2.2, 2.3, 3.2, 4.1, 4.2, 5.1, 5.2, 5.3, 6.1, 6.2, 6.3, 6.4, 7.1, 7.2, 7.3, 8.1, 8.2, 9.1, 9.2, 10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 13.1, 14.2, 14.3, 14.4, 14.5, 14.6, 14.7, 15.1, 16.

General update.

Sheet number*: 07-2N6L-0223-V4