

OP385 - TRANSPARENT POLYURETHANE HC TOP COAT SEMI GLOSS 60 GLOSS

Revision nr.2 Dated 10/14/2020 Printed on 10/14/2020 Page n. 1 / 11 Replaced revision:1 (Dated 10/25/2018)

Safety Data Sheet

According to Canadian HPR - WHMIS 2015

1. Identification

1.1. Product identifier

Code: OP385

Product name TRANSPARENT POLYURETHANE HC TOP COAT SEMI GLOSS 60 GLOSS

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

Paint product for professional/industrial use

Identified Uses Industrial **Professional** Consumer

Pertinent description of use:

Uses Advised Against

Do it yourself

1.3. Details of the supplier of the safety data sheet

INDUSTRIA CHIMICA ADRIATICA S.P.A.

Full address Via S. Pertini. 52

District and Country 62012 Civitanova Marche (MC)

ITALY

Tel. +39 0733 8080 +39 0733 808140 Fax

e-mail address of the competent person

responsible for the Safety Data Sheet regulatoryaffairs@icaspa.com

Product distribution by: INDUSTRIA CHIMICA ADRIATICA S.p.A.

ICA North America Imported by:

169 Main Street West Lorne, ON **N0L 2P0** Canada.

1.4. Emergency telephone number

For urgent inquiries refer to For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire,

Exposure, or Accident Call CHEMTREC Day or Night

Within USA and Canada: 1 -800-424-9300

2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in Canada's Hazardous Products Regulations (HPR) (WHMIS 2015). The product thus requires a safety datasheet.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Classification and Hazard Statement

Flammable liquid, category 2 Acute toxicity, category 4 Acute toxicity, category 4 Aspiration hazard, category 1

Specific target organ toxicity - repeated exposure,

category 2

Eye irritation, category 2 Skin irritation, category 2

Specific target organ toxicity - single exposure,

category 3

Specific target organ toxicity - single exposure,

category 3

Highly flammable liquid and vapour.

Harmful in contact with skin.

Harmful if inhaled.

May be fatal if swallowed and enters airways.

May cause damage to organs through prolonged or repeated

exposure.

Causes serious eye irritation. Causes skin irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

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2. Hazards identification .../>>

Hazard pictograms:







Signal words: Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
 H312+H332 Harmful in contact with skin or if inhaled.
 H304 May be fatal if swallowed and enters airways.

H373 May cause damage to organs through prolonged or repeated exposure.

H319 Causes serious eye irritation.
 H315 Causes skin irritation.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.

Precautionary statements:

Prevention:

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

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

P242 Use non-sparking tools.

P280 Wear protective gloves/ protective clothing / eye protection / face protection.

P271 Use only outdoors or in a well-ventilated area.
P264 Wash the hands thoroughly after handling.

P240 Ground and bond container and receiving equipment.

P243 Take action to prevent static discharges.

P241 Use explosion-proof electrical / ventilating / lighting / equipment.

Response:

P331 Do NOT induce vomiting.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P312 Call a POISON CENTER / doctor / if you feel unwell.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: use chemical powder to extinguish.

Storage:

P403+P235 Store in a well-ventilated place. Keep cool.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, international regulations.

The mixture contains 40.35%;40.35% of components of unknown acute inhalation / dermal toxicity.

2.2. Other hazards

Environmental classification as for Reg. (EU) 1272/2008 (CLP):

The product is classified as hazardous for environment pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

Classification and Hazard Statement

Hazardous to the aquatic environment, chronic toxicity, category 3 Harmful to aquatic life with long lasting effects.

Hazard statements:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

P273 Avoid release to the environment.

Response:

Storage:

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2. Hazards identification .../>>

Disposal:

P501 Dispose of contents and container in accordance with local, regional, international regulations.

3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. % (w/w) Classification:

Xylene, mixture of isomers

CAS 1330-20-7 35 ≤ x < 37 Flammable liquid, category 3 H226, Acute toxicity, category 4 H312, Acute toxicity,

category 4 H332, Aspiration hazard, category 1 H304,

Specific target organ toxicity - repeated exposure, category 2 H373, Eye irritation,

category 2 H319, Skin irritation, category 2 H315,

Specific target organ toxicity - single exposure, category 3 H335,

Hazardous to the aquatic environment, chronic toxicity, category 3 H412

N-butyl acetate

CAS 123-86-4 17.5 ≤ x < 18.5 Flammable liquid, category 3 H226, Specific target organ toxicity - single exposure,

category 3 H336

Ethyl acetate

CAS 141-78-6 $4 \le x < 4.5$ Flammable liquid, category 2 H225, Eye irritation, category 2 H319,

Specific target organ toxicity - single exposure, category 3 H336

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

The full wording of hazard (H) phrases is given in section 16 of the sheet.

4. First-aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

5. Fire-fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for

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health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

EU OEL EU

Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.



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8. Exposure controls/personal protection .../>>

Xylene, mixture of isomers									
Threshold Limit Value									
Type	Country	TWA/8h		STEL/15	min	Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
OEL	EU	221	50	442	100	SKIN			
OSHA	USA	435	100						

Ethyl acetate									
Threshold Limit Value									
Type	Country	TWA/8h		STEL/15r	min	Remarks / Observations			
		mg/m3	ppm	mg/m3	ppm				
OEL	EU		400						
OSHA	USA	1400	400						

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must comply with current regulations.

HAND PROTECTION

Protect hands with category III work gloves (OSHA 29 CFR 1910.138).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing. EYE PROTECTION

Wear airtight protective goggles (OSHA 29 CFR 1910.133, CSA Standard CAN/CSA-Z94.3-92).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a NIOSH certified filter, whose class must be chosen according to the limit of use concentration (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134, CSA Standard Z94.4-02). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus or external air-intake breathing apparatus. For a correct choice of respiratory protection device, see standard NIOSH 42 CFR 84, OSHA 29 CFR 1910.134, CSA Standard Z94.4-02.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties		Value		Information
Appearance		liquid		
Colour		opalescent		
Odour		characteristic		
Odour threshold		Not available		
pH		Not available		
Melting point / freezing point		Not available		
Initial boiling point	>	126 °C	(258,8	°F)
Boiling range		Not available		
Flash point		-18 ≤ T ≤ 23	°C	(-0,4 ≤ T ≤ 73,4 °F)
Evaporation Rate		Not available		
Flammability of solids and gases		Not available		
Lower inflammability limit		Not available		
Upper inflammability limit		Not available		
Lower explosive limit		Not available		
Upper explosive limit		Not available		
Vapour pressure		Not available		
Vapour density		> 1,0000		



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9. Physical and chemical properties .../>>

Relative density 0.97 g/ml

Solubility partially soluble in water

Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition temperature
Viscosity
Not available
Explosive properties
Oxidising properties
Not available
Not available
Not available

9.2. Other information

Total solids (250°C / 482°F) 40,95 %

VOC: 59,05 % - 572,79 g/litre

10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

N-butyl acetate

Stable in normal conditions of use and storage.

Ethyl acetate

Stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

N-butyl acetate

May react with: strong oxidising agents.

Ethyl acetate

Reacts with: acids,strong oxidising agents.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

N-butyl acetate

Avoid exposure to: ignition sources.

Ethyl acetate

Avoid exposure to: naked flames, ignition sources, moisture.

10.5. Incompatible materials

N-butyl acetate

Avoid contact with: strong oxidising agents.

Ethyl acetate

Incompatible with: acids,bases,oxidising agents,alkaline metals.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

Ethyl acetate

May develop: carbon oxides.

11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure



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11. Toxicological information .../>>

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

Xylene, mixture of isomers

 LD50 (Oral)
 5627 mg/kg Mouse

 LD50 (Dermal)
 > 5000 mg/kg Rabbit

 LC50 (Inhalation)
 6700 ppm/4h Rat

Ethyl acetate

 LD50 (Oral)
 4934 mg/kg Rat

 LD50 (Dermal)
 > 20000 mg/kg Rabbit

 LC50 (Inhalation)
 > 22.5 mg/l/6h Rat

N-butyl acetate

 LD50 (Oral)
 10760 mg/kg Rat

 LD50 (Dermal)
 > 14112 mg/kg Rabbit

 LC50 (Inhalation)
 > 21.1 mg/l/4h Rat

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

Carcinogenicity Assessment:

1330-20-7 Xylene, mixture of isomers

IARC:3

100-41-4 Ethylbenzene IARC:2B

64-17-5 Ethanol IARC:1

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

May cause damage to organs

©EPY 9.11.3 - SDS 1004.13



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11. Toxicological information .../>>

ASPIRATION HAZARD

Toxic for aspiration

12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

Xylene, mixture of isomers

LC50 - for Fish 2.6 mg/l/96h Fish

EC50 - for Crustacea 8.5 mg/l/48h

Chronic NOEC for Fish > 1.3 mg/l

Chronic NOEC for Crustacea 1.57 mg/l

Ethyl acetate

LC50 - for Fish 230 mg/l/96h Fish

EC50 - for Crustacea 165 mg/l/48h Daphnia magna

Chronic NOEC for Crustacea 2.4 mg/l Daphnia pulex

Chronic NOEC for Algae / Aquatic Plants > 100 mg/l

N-butyl acetate

LC50 - for Fish 18 mg/l/96h Fish

EC50 - for Crustacea 44 mg/l/48h

EC50 - for Algae / Aquatic Plants 397 mg/l/72h Alga

12.2. Persistence and degradability

Xylene, mixture of isomers Rapidly degradable

Ethyl acetate Rapidly degradable

N-butyl acetate Rapidly degradable

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects



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Information not available

13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA: 1263

14.2. UN proper shipping name

ADR / RID: **PAINT** IMDG: PAINT IATA: **PAINT**

14.3. Transport hazard class(es)

ADR / RID: Class: 3 Label: 3

IMDG: Class: 3 Label: 3

IATA: Class: 3 Label: 3



14.4. Packing group

ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID: NO NO IMDG: IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 33 Limited Quantities: 5 L Tunnel restriction code: (D/E)

Special Provision: 640C

IMDG: EMS: F-E, S-E Limited Quantities: 5 L IATA:

Cargo: Packaging instructions: 364 Maximum quantity: 60 L Packaging instructions: 353 Pass.: Maximum quantity: 5 L

Special Instructions: A3, A72, A192

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

15. Regulatory information

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

Substances subject to the Rotterdam Convention:

Canadian Regulatory Information

@EPY 9.11.3 - SDS 1004.13



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15. Regulatory information .../>>

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Safety Data Sheet according to WHMIS 2015.

Inventory Status of the contained substance/s.

All ingredients are listed in DSL.

16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

H225Highly flammable liquid and vapour.H226Flammable liquid and vapour.H312Harmful in contact with skin.

H312+H332 Harmful in contact with skin or if inhaled.

H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

H373 May cause damage to organs through prolonged or repeated exposure.

H319 Causes serious eye irritation.H315 Causes skin irritation.

H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CLP: EC Regulation 1272/2008
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

GENERAL BIBLIOGRAPHY:

- GHS rev. 5
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy
- Hazard Products Regulation (HPR)
- WHMIS 2015
- ONTARIO R.R.O. 1990, Regulation 883 (version July 2016)
- IARC website
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act



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16. Other information

.../>>

Note for users: The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Product's classification is based on the criteria set out in Canada's Hazardous Products Regulations (HPR) (WHMIS 2015), unless otherwise indicated in sections 11 and 12.

The data for evaluation of chemical-physical properties are reported in section 9.

Changes to previous review: The following sections were modified: 01 / 02 / 03 / 08 / 09 / 10 / 11 / 12 / 16.